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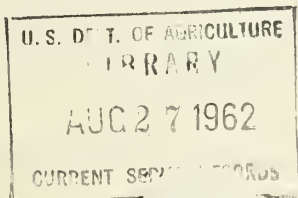
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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



IND/STA



GRAIN  
FG 1-61  
January 1961

## THAILAND BECOMING IMPORTANT

### CORN PRODUCER AND EXPORTER

Nations exporting corn to Far Eastern markets may expect steadily increasing competition in that area from Thailand in the years ahead. The country's corn production and exports have shown a sharp increase in recent years and all indications point to continuation of the upward trend.

The main reasons are need for increasing the country's foreign exchange earnings because of increasing population and expanding industrialization, a desire to expand the country's livestock industry, and governmental encouragement of diversification in the country's agriculture.

Because of these factors, corn production has been increased from 22,000 metric tons (866,000 bushels) in 1950 to an estimated 400,000 tons (15.7 million bushels) in 1960. In the same period exports increased from 12,600 tons (496,000 bushels) to an estimated 350,000 tons (13.8 million bushels). See Table 1.

The area planted to corn has been increased from 218,000 rai (87,000 acres) in 1950 to an estimated 1,600,000 rai (640,000 acres) in 1960. Most of the crop is harvested in July but harvesting continues until November. Very little fertilizer is used and cultural practices fall far back of up-to-date technique. As a result, yields from actually harvested area are low and average only around 255 kilos per rai (25.4 bushels per acre).

### Corn Production

Based on quantity produced, rice and sugarcane are Thailand's most important agricultural enterprises. On the same basis, other important crops are fruits and vegetables, oleaginous products (mainly copra), fibers (mainly kenaf), root crops (mainly casava), fibers (mainly kapok), rubber, and corn. The country maintains large livestock numbers, and is especially desirous of expanding its poultry and hog industries. Increase in corn production is contributing to that objective.

Thai dealers and brokers have launched a campaign to increase corn supplies. The government also has taken measures to encourage production, because of its desire to diversify the country's predominantly rice economy. Farmers are showing some tendency to shift from rice to corn in view of the uncertain market for rice. If foreign markets can be expanded for corn, or if livestock development in Thailand provides a larger domestic market, it is certain that domestic production will increase substantially in the coming years.

The crop is grown almost entirely in the northern and eastern parts of the country. While yields are still relatively low because of prevailing cultural practices, the belief is that they can be almost doubled with greater emphasis on better seed and adoption of modern production methods. Considerable progress along these lines has been made in the past 4 years.

Table 1. Thailand: Corn area, production, and exports 1950 through 1960

Years	Area		Crop 2/ :	Yield	Exports	
	:			per rai	:	
	Planted	Harvested:		harvested:	Quantity	F.o.b. value
	:	:	:	:	:	:
	:	:	1,000	:	1,000	:
	1,000	1,000	metric	:	metric	1,000
	rai 1/	rai 1/	tons 3/	Kilos 4/	tons 3/	baht 5/
	:	:	:	:	:	:
1950 .....	218	211	22	102	12.6	10,479
1951 .....	259	256	33	130	22.6	21,307
1952 .....	281	271	36	132	25.2	27,923
1953 .....	298	295	41	138	34.7	46,958
1954 .....	331	326	50	153	37.0	56,141
1955 .....	347	345	54	157	68.2	79,993
1956 .....	514	510	92	180	81.5	96,133
1957 .....	606	597	109	183	64.3	74,391
1958 .....	6/1,000	6/ 975	6/ 185	190	162.9	182,667
1959 .....	6/1,249	6/1,241	6/ 317	255	236.9	249,513
1960 .....	6/1,600	6/1,570	6/ 400	6/ 255	6/ 350.0	6/ 375,000

1/ One rai = 0.4 acres. 2/ Shelled basis. 3/ Metric ton = 39.36 bushels.  
4/ Kilo = 2.2046 pounds. 5/ 21 baht = U.S. \$1. 6/ FAS estimate.

### Corn Exports

Since rice is the principal cereal in the diet of the people and only small quantities of corn are used for feed, principally for poultry, the production increase has been largely for export purposes. Exports of shelled corn during the first 6 months of calendar 1960 totaled 59,600 metric tons (2.3 million bushels). The bulk of the exports takes place during the last 6 months of the year. Total exports for the year are expected to amount to approximately 350,000 tons (13.8 million bushels).

The 1959 exports of 237,000 tons (9.3 million bushels) were valued at \$12 million f.o.b. Bangkok. Japan, as usual, took 80 percent of the total. The other principal buyers were Singapore, Hong Kong, North Borneo, and Malaya. Excluding corn products, United States corn exports to these 5 markets in 1959-60 amounted to 7.9 million bushels with a declared export value of \$10.7 million, virtually all to Japan.



During the first weeks of August 1960 Japanese importers were negotiating for purchases of 300,000 tons from Thailand. The belief is that the agreement was consummated. Moisture content of the corn was the main point of discussion. Reports indicate that the Japanese Government agreed to accept a moisture content of not more than 15 percent on deliveries up to the end of October 1960, and not more than 14.5 percent thereafter.

On price, a sale to Japan of 20,000 tons of Thai corn at the end of July was priced at 18-10-0 pounds sterling (\$51.90) per ton f.o.b. (\$1.32 per bushel) Bangkok. Insurance and freight to Japan amount to about 3 pounds sterling (\$8.42) per ton (21.4¢ per bushel). As a matter of trade policy, Japan is trying to maximize its purchases of Thai corn in response to Thai complaints about the imbalance of trade between the two countries. It has also been encouraging increased production in Thailand as a nearby source of supply for the expanding Japanese livestock industry.

Table 2. Thailand: Corn and corn products, quantity and value of exports, 1958 and 1959 and January-June 1960

Product and destination	Quantity			Value <sup>1/</sup>		
	1958	1959	Jan.-June 1960	1958	1959	Jan.-June 1960
	Metric tons	Metric tons	Metric tons	1,000 baht	1,000 baht	1,000 baht
Shelled corn:						
Br. North Borneo ...	8,927	8,966	2,720	10,798	9,611	2,931
Hong Kong .....	3,879	9,876	3,062	4,448	10,602	3,288
Malaya .....	4,354	7,789	3,468	5,002	7,781	3,668
Penang .....	1,190	3,354	1,261	1,334	3,207	1,216
Singapore .....	14,880	17,507	8,698	16,586	17,576	8,867
Indonesia .....	---	28	50	---	28	49
Japan .....	129,683	188,960	40,359	144,508	200,363	43,544
United Kingdom .....	---	225	---	---	267	---
Mauritius .....	---	75	---	---	78	---
Fiji Islands .....	1	---	---	1	---	---
Total .....	162,914	236,780	59,618	182,668	249,513	63,563
Corn flour and meal:						
Laos .....	neg.	---	---	neg.	---	---
Br. North Borneo ...	---	8	---	---	7	---
Hong Kong .....	---	294	161	---	319	180
Malaya .....	---	262	36	---	310	41
Penang .....	---	207	510	---	231	577
Singapore .....	---	877	891	---	910	936
Total .....	neg.	1,648	1,598	neg.	1,777	1,734
Grand total .....	162,914	238,428	61,216	182,668	251,290	65,297

<sup>1/</sup> 21 baht = 1 U.S. dollar.

#### Corn Prices

Wholesale prices of Thai corn showed a steady upward trend during the first half

of 1960. The average price in 1959 was 62.5 baht per picul of 60 kilograms f.o.b. Bangkok (\$1.25 per bushel). This substantial drop from the 1958 average of 88 baht per picul (\$1.76 per bushel) reflected increased supplies. In view of the country's dependence on export markets, the wholesale price of corn is closely related to the export price.

Table 3. Thailand: Corn, end-of-the-month wholesale price f.o.b., Bangkok, 1958 and 1959 and January-June 1960

Month	1958	1959	1960
	Baht per picul 1/	Baht per picul 1/	Baht per picul 1/
January .....	98.50	58.00	63.00
February .....	98.50	58.50	63.50
March .....	102.00	58.50	63.50
April .....	106.00	59.00	66.50
May .....	108.00	61.00	70.00
June .....	89.00	62.00	72.00
July .....	89.00	59.50	---
August .....	88.50	59.50	---
September .....	88.50	55.00	---
October .....	70.00	68.00	---
November .....	59.50	75.00	---
December .....	58.50	71.00	---
Average .....	88.00	62.50	66.50

1/ 21 baht = 1 U.S. dollar. 1 picul = 60 kilograms or 132.3 pounds.

#### Government Policy

Largely because of improved medical facilities, better diets, and less disease, Thailand's population, currently estimated at 26 million, is increasing at a rate of 2.8 percent annually. The government, therefore, is not only deeply concerned with the ability of the country's agriculture to maintain food supplies at desired levels but also to expand production for the export market. Special emphasis is given to the importance of expanding exports in order to assure foreign exchange for the country's program of industrialization.

With favorable soil and climatic conditions for abundant harvests of rice and other crops, Thai farmers have followed primitive and traditional methods of production without much regard to modern techniques. Realizing the important role that agriculture plays in the national economy, since it provides a livelihood for no less than 85 percent of the population and accounts for approximately half of the national income and about 80 percent of the value of the exports, the government is placing strong emphasis not only on agricultural development but also on diversification.

In general, the agricultural policy of the government is being concentrated on bringing about more intensive use of land under cultivation, land reclamation, livestock improvement, adoption of modern cropping and harvesting methods, proper land and water use, increased use of fertilizers, pest and disease control, seed selection, increased yields, and crop diversification. In the latter connection special emphasis is being devoted to encouraging increased production of non-irrigated cash crops, such as corn, which have good possibilities for filling increasing local requirements as well as providing crops for export. For the corn export market, better control of quality -- especially moisture content -- appears to be the main problem.



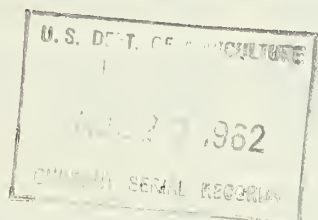
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U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 2-61  
January 1961



## NEAR-RECORD 1960 WORLD

### BREADGRAIN CROP CONFIRMED

World breadgrain production in 1960 is estimated at 285 million short tons, according to the latest information available to the Foreign Agricultural Service. This is about the same as the 1959 total and has been exceeded only once, in 1958. The current estimate is 2 percent below the preliminary September forecast mainly because estimates for the Soviet Union have been reduced to reflect losses from bad weather during the late growing and harvesting season.

Though total breadgrain production is estimated the same as last year, significant differences are noted between the 2 years. Increased wheat production is offset by a smaller world crop of rye. World wheat production in 1960 is now estimated at 8,300 million bushels and rye at 1,270 million.

On a regional basis, the most significant increase over 1959 wheat production is in North America where a 9-percent increase is reported. Smaller increases for Asia and Australia are partly offset by reductions in Europe, the Soviet Union, and South America. Rye production is somewhat smaller than the 1959 harvest in both Europe and the Soviet Union, which together produce more than 90 percent of the world rye crop.

In North America, wheat production is placed at 1,905 million bushels, compared with the small crop of 1,594 million in 1959. This is a record total for the area because of a near-record U.S. outturn and a fairly good harvest in Canada. Rye production, at 41 million bushels, is above average.

The wheat crop for all Europe is still estimated at 1,900 million bushels, compared with the 1959 record total of 2,055 million. Reductions





<b>Asia:</b>														
Iran .....	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871	1,871
Iraq .....	90	90	90	90	90	90	90	90	90	90	90	90	90	90
Israel .....	651	651	651	651	651	651	651	651	651	651	651	651	651	651
Jordan .....	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Lebanon .....	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277	2,277
Syria .....	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514	13,514
Turkey .....	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456	24,456
China .....	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364	10,364
India .....	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766
Pakistan .....	245	245	245	245	245	245	245	245	245	245	245	245	245	245
Japan .....	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800
Korea, South .....	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766	1,766
Estimated total 5/ .....	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800	127,800
<b>Africa:</b>														
Algeria .....	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267
Egypt .....	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631	1,631
Morocco 7/ .....	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496	3,496
Tunisia .....	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399	2,399
Union of South Africa 8/ .....	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020	3,020
Estimated total 5/ .....	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480	16,480
<b>South America:</b>														
Argentina .....	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871	11,871
Brazil .....	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475	1,475
Chile .....	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910	1,910
Colombia .....	430	430	430	430	430	430	430	430	430	430	430	430	430	430
Peru .....	410	410	410	410	410	410	410	410	410	410	410	410	410	410
Uruguay .....	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515	1,515
Estimated total 5/ .....	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840	17,840
<b>Oceania:</b>														
Australia .....	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716	10,716
New Zealand .....	116	116	116	116	116	116	116	116	116	116	116	116	116	116
Total Oceania .....	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832	10,832
Estimated world total 5/ .....	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170	447,170

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries, for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes areas formerly known as Spanish Morocco and Tangier. 8/ Production on European holdings only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U. S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/		Yield per acre 2/		Production	
	Average : 1950-54	1959	Average : 1950-54	1959	Average : 1950-54	1959
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	1,000 bushels	1,000 bushels
North America:						
Canada .....	1,159	521	517	543	15.4	15.8
United States .....	1,619	1,773	1,428	1,576	18.2	15.1
Total .....	2,778	2,294	1,945	2,119	17.5	15.2
Europe:						
Austria .....	601	509	538	421	27.5	30.7
Belgium .....	205	170	162	166	43.1	46.3
Denmark .....	323	304	299	381	38.2	39.6
Finland .....	276	189	255	274	24.3	23.1
France .....	1,104	857	811	744	18.4	19.8
Germany, West .....	3,427	3,714	3,521	3,232	38.3	39.8
Greece .....	155	106	81	71	13.7	15.2
Italy .....	238	167	167	155	21.7	24.8
Luxembourg .....	14	--	--	--	31.4	--
Netherlands .....	428	357	355	378	43.6	47.1
Norway .....	2	1	3	618	30.0	39.0
Portugal .....	652	625	618	618	11.1	13.2
Spain .....	1,526	1,369	1,406	1,384	12.7	14.8
Sweden .....	312	228	240	257	33.0	30.7
Switzerland .....	35	31	32	36	41.1	51.3
United Kingdom .....	59	23	13	20	35.1	36.5
Estimated total Western Europe 5/	9,360	8,670	8,520	8,160	28.1	30.6
Bulgaria .....	530	275	275	--	16.0	13.1
Czechoslovakia .....	1,550	1,231	1,300	--	26.5	29.5
Germany, East .....	3,110	2,703	2,548	--	26.8	32.7
Hungary .....	1,275	930	875	745	19.4	15.7
Poland .....	12,345	12,880	12,852	--	19.0	22.5
Rumania .....	500	370	295	--	16.6	13.5
Yugoslavia .....	--	613	583	526	--	15.5
Estimated total Eastern Europe 5/	19,990	19,030	18,760	17,110	20.5	23.6
Estimated total all Europe 5/	29,350	27,700	27,280	25,270	22.9	25.8
U.S.S.R. (Europe and Asia) 6/	54,000	43,500	42,175	--	12.8	14.9
Asia:						
Turkey .....	1,410	1,643	1,621	900	16.1	15.2
South America:						
Argentina .....	2,222	2,629	2,897	--	11.7	12.2
Africa:						
Union of South Africa .....	56	--	--	--	6.4	--
Estimated world total 5/	90,130	78,150	76,320	69,180	16.1	18.7

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1960 and early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production.

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occurred in both Western and Eastern Europe. Lower quality wheat, as well as reduced production, is reported for a number of countries. Rye production in Europe is estimated at 690 million bushels, 7 percent below the large 1959 crop.

Unfavorable weather in parts of the Soviet Union apparently reduced grain crops below their expected level, and the actual or "barn harvest" of breadgrains is now believed to be less than in 1959. Earlier prospects were for larger outturns than last year.

Asia's 1960 wheat crop is still estimated at 1,965 million bushels. This is moderately above the 1959 total of 1,905 million bushels and is 11 percent above the 1950-54 average. A good part of the increase over 1959 is in Turkey, where a record crop is reported.

Wheat production in Africa is placed at 205 million bushels, slightly above last year's harvest. The principal increase is in Algeria where a record crop of about 55 million bushels is reported. This offsets reductions in a number of other countries.

Harvesting is now progressing in Southern Hemisphere countries. In South America, the forecast wheat crop of 275 million bushels is well below average. The principal factor is the outlook for a smaller crop in Argentina. The current forecast of 190 million bushels is about 25 million bushels less than last year as well as below average. In contrast with that reduction, Uruguay's crop is getting back toward normal after 2 successive crop failures. The current estimate is about three times last year's low production.

In Australia, a record wheat crop is forecast. Current forecasts range from 225 to 250 million bushels. Last year's outturn was 198 million and the 1950-54 average was 181 million.



Growth Through Agricultural Progress







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FG 3-61  
February 1961

## WORLD BARLEY AND OATS

### PRODUCTION LARGE

The 1960 world crop of barley and oats is still estimated at a near-record (see preliminary forecast in Foreign Crops and Markets, monthly supplement October 27, 1960.) The combined crop of 144 million short tons of barley and oats is 4 percent below the alltime record in 1956. The reduction from that record was in oats, which has been decreasing in most areas.

Compared with the 1950-54 average, barley production is up 25 percent, while the outturn of oats is down 6 percent. The largest quantitative gain in barley was in Europe, with an increase of 475 million bushels. Reductions in oats were general, but most of the decline was in North America and Europe.

The world barley crop is estimated at 3,380 million bushels; this has been exceeded only once, in 1956. A record outturn in Europe this year was an outstanding feature and brought world production only nominally below the record.

World oats production of 3,920 million bushels is 5 percent above the small 1959 crop, mainly because of the larger outturn in North America. The current crop, however, is well below the 1958 harvest, as well as below average.

Production of barley and oats in North America is about 5 percent larger than in 1959 because of a substantial increase in oats; this more than offsets a reduced barley crop. Harvests of oats were somewhat larger than last year's small crop in both the United States and Canada. The U.S. outturn of 1,162 million bushels is still well below average, however, and 18 percent below the record crop produced in 1958. Yields of 42.9 bushels per acre were second only to the 1958 yields of 44.5 bushels but harvested acreage was the smallest since 1887. Unfavorable weather at seeding time over much of the country accounted for the small acreage.

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average : 1950-54	1958 :	1959 :	Average : 1950-54	1958 :	1959 :	Average : 1950-54	1958 :	1959 :
	1,000 :	1,000 :	1,000 :	1,000 :	1,000 :	1,000 :	1,000 :	1,000 :	1,000 :
	acres :	acres :	acres :	acres :	acres :	acres :	bushels :	bushels :	bushels :
North America:									
Canada .....	7,916 :	9,548 :	8,289 :	7,360 :	28.9 :	27.2 :	28.1 :	244,764 :	225,550 :
Mexico .....	573 :	593 :	605 :	605 :	13.2 :	14.0 :	14.0 :	8,270 :	8,450 :
United States .....	10,173 :	14,923 :	15,087 :	13,951 :	27.8 :	28.0 :	30.3 :	475,196 :	422,073 :
Estimated total 5/ .....	18,660 :	25,060 :	23,980 :	21,920 :	27.8 :	27.4 :	29.2 :	519,000 :	656,000 :
Europe:									
Austria .....	363 :	427 :	441 :	517 :	36.6 :	36.1 :	53.0 :	13,288 :	15,400 :
Belgium .....	213 :	234 :	272 :	259 :	58.0 :	62.4 :	67.4 :	12,344 :	14,600 :
Denmark .....	1,390 :	1,781 :	1,858 :	1,846 :	64.4 :	64.1 :	69.6 :	89,450 :	114,130 :
Finland .....	358 :	552 :	576 :	525 :	30.5 :	33.8 :	38.0 :	10,904 :	18,670 :
France .....	2,713 :	4,403 :	4,914 :	5,168 :	32.9 :	40.6 :	50.6 :	89,372 :	178,800 :
Germany, West .....	1,733 :	2,178 :	2,350 :	2,421 :	37.5 :	51.1 :	61.1 :	82,320 :	111,300 :
Greece .....	522 :	483 :	456 :	448 :	20.0 :	25.4 :	24.1 :	10,424 :	12,260 :
Ireland .....	174 :	310 :	333 :	322 :	51.2 :	49.7 :	63.5 :	8,910 :	15,400 :
Italy .....	619 :	554 :	546 :	535 :	21.1 :	24.5 :	20.0 :	13,057 :	13,600 :
Netherlands .....	183 :	202 :	179 :	171 :	60.4 :	71.7 :	77.8 :	11,048 :	14,480 :
Norway .....	164 :	359 :	347 :	358 :	44.8 :	43.5 :	53.8 :	7,350 :	15,250 :
Portugal .....	380 :	376 :	361 :	365 :	14.4 :	12.4 :	7.1 :	5,620 :	4,670 :
Spain .....	3,903 :	3,739 :	3,706 :	3,954 :	22.8 :	21.8 :	18.1 :	88,830 :	81,620 :
Sweden .....	352 :	726 :	783 :	798 :	42.2 :	44.7 :	39.0 :	14,850 :	30,270 :
Switzerland .....	53 :	60 :	62 :	63 :	48.7 :	54.6 :	55.4 :	2,581 :	3,275 :
United Kingdom .....	2,051 :	2,755 :	3,059 :	3,394 :	48.9 :	53.7 :	56.0 :	100,326 :	147,930 :
Estimated total Western Europe 5/ .....	15,190 :	19,170 :	20,270 :	21,170 :	36.9 :	41.4 :	46.5 :	561,000 :	793,000 :
Europe:									
Bulgaria .....	630 :	640 :	665 :	-- :	26.8 :	27.0 :	-- :	16,900 :	17,300 :
Czechoslovakia .....	1,556 :	1,654 :	1,660 :	-- :	33.5 :	33.3 :	-- :	52,100 :	55,100 :
Germany, East .....	702 :	825 :	875 :	-- :	38.2 :	48.5 :	-- :	26,800 :	40,000 :
Hungary .....	1,080 :	1,330 :	1,337 :	-- :	27.3 :	25.3 :	-- :	29,500 :	33,700 :
Poland .....	2,072 :	1,824 :	1,592 :	1,780 :	24.3 :	30.2 :	-- :	50,400 :	55,000 :
Rumania .....	1,235 :	722 :	744 :	-- :	15.8 :	19.7 :	-- :	13,500 :	14,200 :
Yugoslavia .....	-- :	964 :	934 :	897 :	-- :	22.4 :	27.1 :	16,600 :	21,590 :
Estimated total Eastern Europe 5/ .....	8,300 :	7,970 :	7,790 :	8,020 :	25.8 :	29.7 :	33.0 :	214,000 :	237,000 :
Estimated total all Europe 5/ .....	23,490 :	27,140 :	28,060 :	29,190 :	33.0 :	38.0 :	42.8 :	775,000 :	1,030,000 :
U.S.S.R. (Europe and Asia) 6/ .....	22,500 :	23,500 :	23,700 :	-- :	15.6 :	18.7 :	-- :	350,000 :	440,000 :







Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average : 1950-54 :	1958 :	1959 :	Average : 1950-54 :	1958 :	1959 :	Average : 1950-54 :	1958 :	1959 :
North America:	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :
Canada 5/ .....	10,813 :	11,039 :	11,391 :	11,147 :	36.3 :	36.7 :	40.9 :	400,951 :	417,933 :
Mexico .....	206 :	247 :	235 :	272 :	18.2 :	23.4 :	22.1 :	3,759 :	5,500 :
United States .....	37,928 :	31,834 :	28,368 :	27,091 :	33.9 :	37.6 :	42.9 :	1,285,147.1 :	1,415,570 :
Estimated total 6/ .....	48,950 :	43,120 :	40,000 :	38,510 :	34.9 :	37.3 :	42.2 :	1,707,000.1 :	1,822,000.1 :
Europe:	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :	1,000 : acres :
Austria .....	539 :	440 :	403 :	397 :	44.8 :	52.2 :	59.9 :	24,156 :	22,960 :
Belgium .....	405 :	351 :	351 :	347 :	80.2 :	86.9 :	88.8 :	32,462 :	30,515 :
Denmark .....	647 :	502 :	504 :	494 :	90.8 :	88.9 :	91.3 :	58,740 :	57,130 :
Finland .....	1,143 :	1,092 :	1,139 :	1,212 :	47.1 :	50.4 :	61.3 :	53,801 :	55,000 :
France .....	5,596 :	3,715 :	3,715 :	3,544 :	43.3 :	49.4 :	52.1 :	242,298 :	181,700 :
Germany, West .....	2,681 :	2,069 :	2,005 :	1,847 :	67.3 :	72.3 :	70.1 :	180,322 :	149,600 :
Greece .....	365 :	356 :	319 :	315 :	26.2 :	32.6 :	32.5 :	9,558 :	11,600 :
Ireland .....	613 :	457 :	462 :	423 :	63.2 :	68.6 :	67.8 :	38,744 :	31,360 :
Italy .....	1,140 :	1,022 :	1,017 :	1,010 :	32.9 :	38.3 :	29.5 :	37,516 :	39,160 :
Luxembourg .....	52 :	340 :	309 :	285 :	50.0 :	90.4 :	71.2 :	2,602 :	---
Netherlands .....	368 :	166 :	166 :	158 :	87.5 :	62.6 :	51.1 :	32,210 :	30,720 :
Norway .....	187 :	750 :	707 :	700 :	62.7 :	62.6 :	77.0 :	11,726 :	8,760 :
Portugal .....	774 :	1,432 :	1,396 :	1,408 :	12.2 :	13.2 :	6.1 :	9,424 :	9,875 :
Spain .....	1,520 :	1,319 :	1,325 :	1,378 :	23.2 :	25.0 :	20.5 :	35,306 :	32,580 :
Sweden .....	1,215 :	40 :	39 :	37 :	47.8 :	46.7 :	40.9 :	58,124 :	61,600 :
Switzerland .....	64 :	2,217 :	2,032 :	1,991 :	77.3 :	80.5 :	81.1 :	4,946 :	3,220 :
United Kingdom .....	2,854 :	16,250 :	15,930 :	15,590 :	65.4 :	67.5 :	75.3 :	186,774 :	149,660 :
Estimated total Western Europe 6/ .....	20,160 :	9,150 :	8,890 :	8,760 :	50.6 :	53.5 :	57.1 :	1,020,000 :	870,000 :
Bulgaria .....	397 :	383 :	383 :	---	27.7 :	27.4 :	33.9 :	11,000 :	10,500 :
Czechoslovakia .....	1,380 :	1,250 :	1,250 :	---	44.2 :	48.0 :	52.0 :	61,000 :	60,000 :
Germany, East .....	1,352 :	1,200 :	1,013 :	---	56.7 :	57.5 :	62.4 :	76,600 :	69,000 :
Hungary .....	355 :	428 :	420 :	---	31.0 :	30.8 :	41.9 :	11,000 :	13,200 :
Poland .....	4,130 :	4,210 :	4,200 :	4,100 :	35.8 :	43.5 :	41.0 :	148,000 :	183,000 :
Rumania .....	1,175 :	768 :	741 :	---	22.9 :	25.1 :	29.3 :	26,900 :	19,300 :
Yugoslavia .....	---	857 :	835 :	825 :	---	20.8 :	33.3 :	19,420 :	17,840 :
Estimated total Eastern Europe 6/ .....	9,730 :	25,400 :	24,820 :	24,350 :	36.5 :	41.0 :	43.1 :	355,000 :	375,000 :
Estimated total all Europe 6/ .....	29,890 :	34,550 :	33,710 :	33,700 :	46.0 :	49.0 :	51.7 :	1,375,000.1 :	1,245,000.1 :
Estimated total 6/ .....	78,840 :	78,640 :	74,810 :	74,150 :	40.0 :	42.5 :	45.8 :	2,075,000.2 :	1,967,000.2 :

U.S.S.R. (Europe and Asia) 7/	40,000	36,600	35,400	--	20.9	24.6	21.2	--	835,000	900,000	750,000	--
Asia:												
Syria	22	--	15	--	24.3	--	20.0	--	535	480	300	--
Turkey	808	650	900	976	30.9	30.8	30.6	35.3	24,958	20,000	27,500	34,500
China	--	--	--	--	--	--	--	--	70,000	--	--	--
Japan	208	222	193	195	47.6	60.8	61.9	58.9	9,910	13,500	11,950	11,480
Estimated total 6/	4,400	4,280	4,810	6,060	25.0	23.4	21.8	19.8	110,000	100,000	105,000	120,000
South America:												
Argentina	1,655	1,966	1,971	--	34.0	29.8	34.3	--	56,284	58,560	67,700	60,000
Chile	238	268	266	277	28.6	29.5	28.9	--	6,800	7,900	7,675	--
Uruguay	145	221	97	--	19.4	10.2	15.5	--	2,816	2,260	1,500	--
Estimated total 6/	2,090	2,520	2,410	2,470	32.1	27.8	33.2	30.4	67,000	70,000	80,000	75,000
Africa:												
Algeria	428	210	157	149	20.9	15.7	15.9	21.5	8,940	3,300	2,500	3,200
Morocco 8/	140	68	55	47	28.4	22.1	15.5	21.3	3,978	1,500	850	1,000
Tunisia	59	--	--	--	18.2	--	--	--	1,074	--	--	--
Union of South Africa	365	--	--	--	15.9	--	--	--	5,800	4,300	3,750	--
Estimated total 6/	1,040	740	670	660	20.2	14.9	13.4	15.2	21,000	11,000	9,000	10,000
Oceania:												
Australia	2,325	4,000	3,028	3,527	18.2	27.2	19.3	22.1	42,252	108,600	58,560	78,000
New Zealand	37	25	33	30	62.4	62.4	62.6	--	2,308	1,560	2,065	--
Total	2,362	4,025	3,061	3,557	18.9	27.4	19.8	22.5	44,560	110,160	60,625	79,875
Estimated world total 6/	128,730	116,680	111,170	111,410	32.3	36.5	33.5	35.2	1,160,000	1,260,000	1,372,000	1,392,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre is calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Tentative unofficial estimates for production. 8/ Excludes data for countries formerly known as Spanish Morocco and Tangier.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service officers, results of office research, and related information.



Canada's crop of 456 million bushels was well above average. Both acreage and yields were above average, though acreage was less than in 1959.

Barley production in North America is estimated at 639 million bushels, 3 percent less than last year. There was little change in the U.S. production despite a reduction of about a million acres harvested. Canada's production, however, was about 8 percent smaller than last year because of reduced acreage.

In Western Europe barley production was at an alltime high of 985 million bushels. Acreage has increased significantly and in 1960 was 39 percent above the 1950-54 average. Yields were also high. Oats production of 890 million bushels was larger than in 1959, despite smaller acreage. It is, however, well below the 1950-54 average of 1,020 million bushels. In Eastern Europe production of both barley and oats was smaller than in 1959. Yields were smaller and oats acreage was slightly less than a year earlier.

Production of these grains in the Soviet Union is estimated to be near the 1959 level, which was well below the large harvest of 1958. Early-season prospects for large outturns were not realized because of unfavorable weather during the latter part of the growing season and also during the harvest.

In Asia production of these crops totals about the same as in 1959. A smaller outturn of barley is offset by increased oats production, especially in Turkey and Korea. Production shows little change in Africa. An increase in barley production in Algeria is the main change from 1959. This is partly offset by reductions in Morocco and Tunisia.

Harvesting has just been completed in most of South America and definite figures are not yet available. Preliminary information indicates a reduction from the previous crop because of lower yields in Argentina. Barley production for the continent is tentatively estimated at 70 million bushels, compared with 80 million in 1959. Production of oats is placed at 75 million bushels, 5 million below the 1959 total.

A large crop of these grains is reported for Australia. Barley production is estimated at 68 million bushels, almost double the 1959 crop and more than double the 1950-54 average. The oats crop, estimated at 78 million bushels, is sharply above average but well below the record of 109 million in 1958.







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## RECORD WORLD CORN

### CROP CONFIRMED

Early forecasts of a record 1960 world corn production have been confirmed by the Foreign Agricultural Service. Present estimates place the total at 8.1 billion bushels, the first time world production has reached 8 billion.

Corn outturns were high in most important producing areas. Most significant gains were in the United States, where a new record was set, in the U.S.S.R. and Eastern Europe, with near-record crops, and in South America, where prospects are for the largest harvest of recent years.

Unprecedented surpluses in the United States, resulting from both record carryover and production, will meet competition mainly from large crops in Argentina, Yugoslavia, and Rumania. The U.S. supply for 1960-61 is about 6.1 billion bushels. Domestic use and exports are expected to increase to a new high of about 4.1 billion. Even though exports and domestic use continue at a high level, carryover stocks on October 1, 1961, are expected to total about 2.0 billion bushels, more than 200 million above a year earlier.

Corn production in all North America is now estimated at 4,622 million bushels. The slight increase over the 1959 total is entirely due to the record U.S. outturn. That crop of 4,353 million bushels is 72 million bushels above the 1959 record. Part of the increase, however, is offset by a smaller crop in Mexico and minor producing countries. U.S. acreage was down 1.4 million acres from 1959, but yields were at an alltime high.

Corn production in Western Europe is estimated at 330 million bushels. This is a record for the area, mainly because of a sharp rise in France. That country is showing great interest in increasing its corn output, and



CORN: Acreage, yield per acre, and production in specified countries, year of harvest  
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production					
	Average : 1950-54	1958	1959	1960 4/	Average : 1950-54	1958	1959	1960 4/	Average : 1950-54	1958	1959	1960 4/
	acres	acres	acres	acres	Bushels	Bushels	Bushels	Bushels	bushels	bushels	bushels	bushels
North America:												
Canada .....	370	498	489	514	53.6	60.0	63.4	57.1	19,835	29,892	31,023	29,337
El Salvador .....	434	440	439	--	16.7	12.7	13.4	--	7,260	5,600	5,900	7,000
Guatemala .....	1,357	1,700	--	--	12.5	10.9	--	--	17,000	18,500	15,000	--
Honduras .....	719	889	--	--	11.6	11.6	--	--	8,325	10,300	10,500	11,500
Mexico .....	11,417	15,691	15,629	14,600	12.4	13.2	14.0	12.3	141,390	207,860	219,280	180,000
Nicaragua .....	308	328	319	332	15.2	12.8	11.9	12.3	4,675	4,200	3,800	4,100
United States .....	80,826	73,327	83,529	82,117	38.5	51.8	51.3	53.0	3,112,091	3,800,863	4,281,316	4,352,668
Cuba .....	415	383	457	--	16.0	15.1	16.8	--	6,640	5,800	7,700	--
Estimated total 5/ .....	96,760	94,250	104,330	101,890	34.4	43.5	44.0	45.4	3,331,000	4,097,000	4,589,000	4,622,000
Europe:												
Austria .....	156	121	114	144	34.8	50.4	50.3	54.7	5,426	6,100	5,730	7,870
France .....	894	1,457	1,740	2,016	29.5	45.2	41.3	51.0	26,394	65,870	71,800	102,800
Greece .....	630	511	513	523	15.5	17.3	21.5	21.2	9,754	8,830	11,025	11,080
Italy .....	3,316	3,200	3,150	3,250	33.8	45.3	48.6	46.2	112,232	145,000	153,000	150,000
Portugal .....	1,183	1,185	1,196	1,172	14.4	14.1	13.2	13.5	16,986	16,720	15,840	15,800
Spain .....	991	939	964	1,025	27.2	38.7	40.9	40.4	26,980	36,060	39,400	41,400
Estimated total Western Europe 5/ .....	7,220	7,430	7,690	8,150	27.8	37.4	38.6	40.5	201,000	280,000	297,000	330,000
Albania .....												
Bulgaria .....	300	390	--	--	16.0	15.4	--	--	4,800	6,000	--	--
Czechoslovakia .....	1,780	1,455	1,843	--	15.4	18.9	25.3	--	27,500	27,500	46,700	--
Hungary .....	350	445	462	--	34.9	42.4	45.5	--	12,200	18,850	21,000	--
Rumania .....	2,830	3,225	3,356	3,489	30.5	35.7	41.7	35.8	86,200	115,000	140,000	125,000
Yugoslavia .....	7,350	9,000	8,785	--	17.0	16.0	25.5	--	125,000	144,000	224,000	--
Yugoslavia .....	5,950	5,906	6,375	6,350	21.8	26.3	41.3	38.0	130,000	155,500	263,000	241,000
Estimated total Eastern Europe 5/ .....	18,600	20,460	21,210	21,860	20.8	23.0	33.1	29.5	387,000	470,000	703,000	645,000
Estimated total all Europe 5/ .....												
	25,820	27,890	28,900	30,010	22.8	26.9	34.6	32.5	588,000	750,000	1,000,000	975,000
U.S.S.R. (Europe and Asia) 6/ .....												
	10,400	20,000	21,500	29,500	18.3	30.0	19.8	20.0	190,000	600,000	425,000	590,000
Asia:												
Turkey .....	1,581	1,678	1,730	1,668	19.9	14.9	18.2	17.7	31,402	25,000	31,500	29,500
China .....	--	--	--	--	--	--	--	--	410,000	--	--	--
India .....	8,745	10,457	10,457	10,500	11.4	12.9	13.8	13.7	99,892	135,240	144,600	144,000
Pakistan .....	1,013	1,139	1,199	1,200	15.8	16.4	16.0	16.7	16,016	18,680	19,200	20,000
Indonesia .....	5,210	6,677	5,700	6,050	13.8	15.5	14.6	14.4	72,000	103,700	83,000	87,000
Japan 7/ .....	107	122	118	116	23.3	35.8	34.7	33.5	2,488	4,370	4,094	3,886
Philippines .....	2,764	3,300	3,272	3,336	10.3	12.1	12.1	13.8	28,384	40,000	39,450	45,940
Thailand .....	109	385	491	620	13.1	18.9	25.5	25.3	1,428	7,280	15,700	15,700
Estimated total 5/ .....	42,600	48,160	49,350	50,410	16.7	18.3	17.3	16.8	710,000	880,000	855,000	845,000

<b>Africa:</b>														
Republic of the Congo 8/	1,092	1,151	1,185	--	13.5	17.6	19.4	--	14,768	20,300	23,000	--	--	--
Kenya 9/	425	--	--	--	28.2	--	--	--	12,000	15,000	13,000	--	--	--
Egypt	1,819	2,030	1,929	1,882	33.9	34.1	30.6	34.6	61,670	69,200	59,000	65,200	--	--
Morocco 10/	1,236	1,184	1,000	1,184	7.7	12.3	13.5	9.6	9,536	14,515	13,520	11,330	--	--
Former French West Africa	1,733	--	--	--	9.8	--	--	--	16,975	--	--	--	--	--
Malagasy Republic	200	230	--	--	14.0	12.6	--	--	2,800	2,900	--	--	--	--
Angola	1,300	1,544	--	--	8.2	8.2	--	--	10,670	12,600	13,800	--	--	--
Rhodesias and Nyasaland	--	3,000	--	--	--	15.7	--	--	--	47,000	44,000	--	--	--
Union of South Africa	7,865	--	--	--	14.7	--	--	--	115,450	144,000	148,600	--	--	--
Estimated total 5/	25,680	29,480	29,170	29,370	15.0	15.9	15.9	15.7	385,000	470,000	455,000	460,000	--	--
<b>South America:</b>														
Argentina	4,833	--	--	--	24.8	--	--	--	120,098	215,000	175,000	200,000	--	--
Brazil	12,700	14,308	13,640	14,430	19.4	20.3	20.9	21.8	247,000	290,000	285,000	315,000	--	--
Chile	135	167	161	163	16.3	31.4	30.4	--	3,542	5,240	4,890	--	--	--
Colombia	1,800	1,742	1,631	1,730	17.1	19.2	15.7	17.1	30,800	33,500	25,600	29,500	--	--
Peru	636	589	568	--	19.2	19.7	21.5	--	12,186	11,580	12,200	--	--	--
Uruguay	643	766	660	500	10.7	6.8	5.3	--	6,902	5,240	3,500	--	--	--
Venezuela	700	735	--	--	18.4	19.0	--	--	12,850	14,000	14,000	--	--	--
Estimated total 5/	22,380	25,870	24,910	26,090	20.1	22.8	21.7	23.0	450,000	590,000	540,000	600,000	--	--
<b>Oceania:</b>														
Australia	173	180	186	205	26.9	37.2	36.0	--	4,654	6,700	6,700	--	--	--
New Zealand	5	7	8	8	62.0	60.0	60.0	--	310	420	480	--	--	--
Estimated total 5/	180	190	200	220	27.8	36.8	35.0	36.4	5,000	7,000	7,000	8,000	--	--
Estimated world total 5/	223,820	245,840	258,360	267,490	25.3	30.1	30.5	30.3	5,660,000	7,395,000	7,880,000	8,100,000	--	--

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvest which begins early in 1961. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for the Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Soviet corn area shown is reported as area harvested for grain only, whereas reported production presumably includes also grain equivalent from some of the acreage harvested in an immature stage. 7/ Dried corn only. Previous published series included some immature corn. 8/ Includes Ruanda-Urundi. 9/ Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. 10/ Excludes areas formerly known as Spanish Morocco and Tangier.

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the 1960 crop of 103 million bushels contrasts with the 1950-54 average of 26 million. During that period acreage jumped from 894,000 acres to 2,016,000 acres. Yields also are up sharply, the 1960 average of 51.0 bushels per acre contrasting with 29.5 bushels in 1950-54.

Production has also increased in Italy though not so markedly as in France. The current estimate of 150 million bushels is slightly less than in 1959 but is well above the 1950-54 average of 112 million. France and Italy, together, produced three-fourths of Western Europe's total in 1960.

The corn crop in Eastern Europe was large, though not up to the 1959 record. Some reduction is reported in each of the Danube Basin countries, the main producing area. Though smaller than the record 1959 harvest, production in both Yugoslavia and Rumania is reported at a near-record level and these countries appear to have a surplus for export.

Corn acreage was increased substantially in 1960 in the Soviet Union, and the harvest of mature grain and of ears in the immature stage is estimated to be well above the 1959 harvest and only slightly below the record outturn of 600 million bushels in 1958. This is in line with the government's program to expand corn production for domestic use as feed.

The 1960 corn crop in Asia is slightly smaller than in 1959 but is still well above average. Expanded acreage in most of the largest producing countries accounts for higher level of production. No significant change in yields is reported.

Little change from Africa's large 1959 corn total is expected this season. Above-average prospects for the crop nearing the harvesting season in Southern Hemisphere countries account for maintenance of this high level.

The outlook is for the largest corn crop of recent years in South America. If conditions continue favorable through the harvest period starting in March, the outturn may be 600 million bushels, compared with 540 million a year ago and an average of 450 million during 1950-54. Prospects are good in both Argentina and Brazil. These countries together produce 80 to 85 percent of South America's corn.

Corn is of minor importance in Oceania and a 1960 crop of 8 million bushels is forecast. This is slightly above the 1959 production of 7 million.



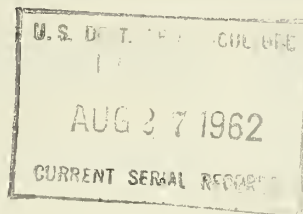
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Foreign Agricultural Service Washington D.C.



GRAIN  
FG 5-61  
April 1961

## WORLD'S 1960 BREADGRAIN CROP

### STILL ESTIMATED AT NEAR-RECORD

Revised estimates for 1960 world breadgrain production bring the total slightly lower than previously estimated. (See forecast in monthly supplement issue of Foreign Crops and Markets, December 29, 1960.) Principal changes since the earlier forecast were caused by further revised wheat figures reducing estimates for the Soviet Union and South America and increasing the estimate for Australia.

As now estimated at 282 million short tons, breadgrain production is 1 percent below the near-record 1959 harvest and 7 percent below the 1958 record of 302 million tons.

World wheat production is now estimated at 8,180 million bushels, 30 million above the 1959 crop but well below the record crop of 8,700 million in 1958. The world rye crop was the smallest of recent years because of reduced acreage. Reductions were principally in the Soviet Union and Eastern Europe, which together account for about 70 percent of world rye production.

Wheat production in North America is now estimated at an alltime high of 1,900 million bushels compared with the previous high of 1,880 million in 1958. Acreage was only 85 percent of the 1950-54 average but yields were near-record.

Rye production in North America is above average because of the large U.S. crop. Canada's crop, though slightly larger than the poor harvests of the past 2 years, is only about half of the 1950-54 average.

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959
	1,000 acres	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
<b>North America:</b>									
Canada .....	26,130	20,899	23,065	23,198	20.6	17.8	21.1	537,632	371,730
Mexico .....	1,647	2,075	2,338	1,853	13.2	23.7	24.8	21,788	49,130
United States .....	63,361	53,404	52,665	52,643	17.3	27.4	25.9	1,094,183	1,461,714
Estimated total 5/ .....	91,200	76,460	78,160	77,780	18.1	24.6	24.4	1,654,000	1,883,000
								1,592,000	1,900,000
<b>Europe:</b>									
Austria .....	573	650	661	685	29.5	31.0	37.7	16,920	20,160
Belgium .....	421	542	496	498	48.2	52.8	56.5	20,278	28,600
Denmark .....	195	190	218	203	54.5	55.2	57.0	10,630	10,100
Finland .....	377	313	344	447	23.2	25.2	30.2	8,739	7,900
France .....	10,916	11,404	10,970	10,776	28.9	31.0	37.1	315,244	353,000
Germany, West .....	2,728	3,226	3,295	3,429	40.4	42.2	50.2	110,228	136,080
Greece .....	2,410	2,750	2,875	2,820	16.6	23.9	22.6	40,042	65,600
Ireland .....	362	419	282	365	36.0	30.7	48.2	13,036	12,880
Italy .....	12,085	12,100	11,600	11,300	23.8	29.8	22.1	288,080	360,000
Luxembourg .....	45	--	--	--	30.7	--	--	1,382	1,550
Netherlands .....	209	275	297	313	54.4	53.5	69.2	11,376	14,700
Norway .....	56	20	23	22	30.0	31.0	31.7	1,682	620
Portugal .....	1,785	2,006	2,094	1,920	13.2	14.8	8.4	23,526	29,700
Spain .....	10,470	10,872	10,774	10,378	14.8	15.4	12.7	155,000	167,000
Sweden .....	896	698	778	836	33.1	31.5	39.5	29,640	22,000
Switzerland .....	225	250	256	255	41.9	47.6	50.0	9,430	11,900
United Kingdom .....	2,263	2,208	1,929	2,114	41.8	45.8	51.6	94,640	101,200
Estimated total Western Europe 5/ .....	46,020	47,970	46,940	46,410	25.0	28.0	28.3	1,150,000	1,345,000
								1,415,000	1,313,000
<b>Bulgaria</b> .....	3,540	3,555	3,457	--	18.6	20.4	21.7	66,000	72,500
Czechoslovakia .....	1,840	1,820	1,875	--	28.5	27.5	29.9	52,500	50,000
Germany, East .....	1,120	1,087	1,075	--	34.0	43.7	44.5	38,100	47,500
Hungary .....	3,400	2,936	2,759	2,598	21.3	18.7	25.0	72,500	55,000
Poland .....	2,730	3,640	3,546	--	19.0	23.6	25.9	70,800	86,000
Romania .....	6,710	7,346	7,383	--	16.2	15.0	19.9	108,750	110,000
Yugoslavia .....	--	4,917	5,263	5,090	--	18.3	25.8	80,000	90,000
Estimated total Eastern Europe 5/ .....	25,500	25,550	25,610	25,230	19.2	20.2	25.2	490,000	515,000
								645,000	592,000
<b>Estimated total all Europe 5/ ....</b>	<b>71,520</b>	<b>73,520</b>	<b>72,550</b>	<b>71,640</b>	<b>22.9</b>	<b>25.3</b>	<b>28.4</b>	<b>1,640,000</b>	<b>1,860,000</b>
								2,060,000	1,905,000
<b>U.S.S.R. (Europe and Asia) 6/ .....</b>	<b>111,500</b>	<b>165,000</b>	<b>157,000</b>	<b>148,500</b>	<b>11.1</b>	<b>13.9</b>	<b>12.1</b>	<b>1,240,000</b>	<b>2,300,000</b>
								1,900,000	1,700,000



<b>Asia:</b>														
Iran .....	1,871	---	---	---	---	---	---	---	---	---	---	---	---	---
Iraq .....	90	130	137	130	11.9	11.1	17.7	19.7	10.0	75,100:	99,200:	110,000:	96,000	---
Israel .....	651	500	525	---	8.6	8.6	4.6	7.2	---	22,210:	27,700:	24,200:	1,300	---
Jordan .....	165	153	153	128	11.5	11.5	8.5	6.0	5.7	5,600:	2,300:	3,800:	1,600	---
Lebanon .....	2,277	2,446	2,100	---	11.6	8.4	7.0	7.0	---	1,902:	1,300:	920:	735	---
Syria .....	13,514	16,000	---	---	15.8	15.0	15.0	---	---	26,510:	20,640:	14,700:	12,000	---
Turkey .....	24,456	29,300	31,141	31,508	10.4	9.9	9.9	11.7	11.5	213,598:	240,000:	225,000:	260,000	---
China .....	10,364	11,815	12,000	12,193	12.5	11.6	11.6	12.0	11.9	890,000:	290,000:	365,000:	363,400	---
India .....	1,766	1,480	1,486	1,489	30.2	31.8	31.8	35.0	37.8	253,950:	137,000:	144,000:	144,700	---
Pakistan .....	245	313	310	---	17.9	14.1	17.1	17.1	---	53,322:	47,070:	52,000:	56,250	---
Japan .....	127,800	140,730	140,760	143,880	13.8	13.6	13.6	13.5	13.6	4,394:	4,420:	5,300:	7,100	---
Korea, South .....	Estimated total 5/	127,800	140,730	140,760	143,880	13.8	13.6	13.5	13.6	1,765,000:	1,910,000:	1,900,000:	1,950,000	---
<b>Africa:</b>														
Algeria .....	4,267	4,500	4,302	4,725	9.7	9.3	9.3	9.4	11.6	41,508:	42,000:	40,600:	55,000	---
Egypt .....	1,631	1,479	1,531	1,512	30.1	35.1	35.1	34.6	36.4	49,060:	51,900:	53,000:	55,000	---
Morocco 7/ .....	3,496	4,040	3,870	4,057	10.1	9.9	9.9	9.4	9.1	35,302:	40,000:	36,500:	37,000	---
Tunisia .....	2,399	3,170	3,274	3,346	8.3	6.0	6.0	5.9	5.0	19,796:	19,100:	19,300:	16,700	---
Union of South Africa 8/ .....	3,020	3,189	3,156	---	7.6	7.1	7.1	8.6	---	23,040:	22,630:	27,200:	28,200	---
Estimated total 5/ .....	16,480	18,180	18,170	18,760	11.2	10.7	10.7	11.0	11.2	185,000:	195,000:	200,000:	210,000	---
<b>South America:</b>														
Argentina .....	11,871	12,954	10,818	---	18.2	18.9	18.9	19.9	---	216,204:	245,000:	215,000:	160,000	---
Brazil .....	1,475	2,200	---	---	12.5	6.8	6.8	---	---	18,500:	15,000:	13,600:	13,000	---
Chile .....	1,910	2,159	2,185	2,110	18.7	20.0	20.0	18.6	19.1	35,764:	43,265:	40,600:	40,400	---
Colombia .....	430	395	440	410	11.3	13.0	13.0	13.0	12.9	4,860:	5,700:	5,140:	5,300	---
Peru .....	410	334	370	370	14.2	14.1	14.1	15.9	16.2	5,814:	4,700:	5,900:	6,000	---
Uruguay .....	1,515	1,707	725	1,235	14.8	7.7	7.7	9.2	13.2	22,376:	13,200:	6,700:	16,350	---
Estimated total 5/ .....	17,840	20,090	16,870	15,260	17.1	16.4	16.4	17.2	16.1	305,000:	330,000:	290,000:	245,000	---
<b>Oceania:</b>														
Australia .....	10,716	10,400	12,173	12,857	16.9	20.7	20.7	16.3	20.2	181,150:	215,100:	198,500:	260,000	---
New Zealand .....	116	133	161	165	40.7	45.4	45.4	52.8	50.0	4,720:	6,040:	8,500:	8,250	---
Total Oceania .....	10,832	10,533	12,334	13,022	17.2	21.0	21.0	16.8	20.6	185,870:	221,140:	207,000:	268,250	---
Estimated world total 5/ .....	447,170	504,510	495,840	498,840	15.6	17.2	17.2	16.4	16.7	6,975,000:	8,700,000:	8,150,000:	8,180,000	---

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which began late in 1960 and ended early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes data for areas formerly known as Spanish Morocco and Tangier. 8/ Production on European holdings only.

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RVE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 2/			Production		
	Average : 1950-54	1958	1959	Average : 1950-54	1958	1959	Average : 1950-54	1958	1959
North America:									
Canada .....	1,159	521	517	543	15.4	15.9	18.6	8,002	10,125
United States .....	1,619	1,773	1,443	1,652	18.2	15.5	19.4	22,339	32,109
Total .....	2,778	2,294	1,960	2,195	14.4	17.5	19.2	40,339	42,234
Europe:									
Austria .....	601	509	538	421	27.5	30.7	30.5	16,508	16,410
Belgium .....	205	170	162	152	43.1	46.3	46.5	8,832	7,660
Denmark .....	323	304	299	281	38.2	39.6	38.1	12,332	11,380
Finland .....	276	189	255	274	24.3	23.1	28.1	6,694	6,400
France .....	1,104	857	811	743	18.4	19.8	22.8	20,327	16,930
Germany, West .....	3,427	3,714	3,521	3,253	38.3	39.8	43.4	131,400	147,680
Greece .....	155	106	81	71	13.7	15.2	13.1	2,120	1,060
Italy .....	238	167	167	155	21.7	24.8	23.7	5,160	4,140
Luxembourg .....	14	—	—	—	31.4	—	—	439	—
Netherlands .....	428	357	355	375	43.6	47.1	42.8	18,644	15,180
Norway .....	2	1	3	3	30.0	39.0	40.0	60	90
Portugal .....	652	625	672	618	11.1	13.2	10.3	7,227	8,220
Spain .....	1,526	1,369	1,406	1,384	12.7	14.8	15.1	19,390	20,300
Sweden .....	312	228	240	257	33.0	30.7	35.6	10,302	7,000
Switzerland .....	35	30	31	36	41.1	51.3	50.8	1,438	1,575
United Kingdom .....	59	23	14	21	35.1	36.5	37.1	2,072	840
Estimated total Western Europe 5/	9,360	8,670	8,570	8,160	28.1	30.6	31.7	263,000	272,000
Bulgaria .....	530	275	275	—	16.0	13.1	—	8,500	3,600
Czechoslovakia .....	1,550	1,231	1,200	—	26.5	29.5	—	42,100	36,300
Germany, East .....	3,110	2,703	2,548	—	26.8	32.7	—	83,300	88,500
Hungary .....	1,275	930	875	745	19.4	15.7	19.9	24,700	17,450
Poland .....	12,345	12,880	12,852	—	19.0	22.5	—	235,000	289,400
Romania .....	500	370	295	—	16.6	13.5	—	8,300	5,050
Yugoslavia .....	—	613	583	526	—	15.5	—	8,500	9,490
Estimated total Eastern Europe 5/	19,990	19,030	18,760	17,130	20.5	23.6	25.2	410,000	450,000
Estimated total all Europe 5/	29,350	27,700	27,330	25,290	22.9	25.8	27.3	673,000	715,000
U.S.S.R. (Europe and Asia) 6/	54,000	43,500	42,175	40,800	12.8	14.9	14.2	690,000	650,000
Asia:									
Turkey .....	1,410	1,643	1,621	1,425	16.1	15.2	12.3	22,700	25,000
Africa:									
Union of South Africa .....	56	—	—	—	6.4	—	—	360	—
South America:									
Argentina .....	2,222	2,629	3,254	—	11.7	12.2	12.8	26,000	32,160
Estimated world total 5/	90,130	78,150	76,740	72,130	16.1	18.7	18.8	1,455,000	1,440,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which began late in 1960 and ended early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries, for Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production.

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Estimates for Europe's production of these grains show little change from earlier estimates. This means near-record wheat production and a slightly above average rye crop.

The Soviet Union's wheat crop is now estimated at 1.7 billion bushels. This is much below early-season expectations and is the smallest outturn since 1955. Rye production is estimated at 520 million bushels, compared with 600 million in 1959 and the 1950-54 average of 690 million.

Southern Hemisphere harvests are now complete and the outturn in South America was smaller than expected mainly because of a poor crop in Argentina. In contrast, Australia's production is even larger than expected and is considerably above any previous harvest.



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April 1961

## RECORD GRAIN SUPPLIES CONTINUE

### IN EXPORTING COUNTRIES

Grain supplies on January 1 in the 4 principal exporting countries continued their upward trend to reach another record, according to Foreign Agricultural Service estimates.

A total of 277 million short tons is estimated for wheat, rye, barley, oats, and corn. In addition, record U.S. stocks of grain sorghums, amounting to 29 million short tons, add to the large grain surpluses in this country. The present U.S. sorghum supply exceeds the previous record at the beginning of 1960 by 4 million tons and is 4 times the 1950-59 average of 7 million.

Sorghums are much less important in the other exporting countries, though Argentina has tripled production in the past 3 years. Even at the new rate, however, total production in that country is still somewhat less than 5 percent of U.S. production.

The current total of 277 million tons of the principal grains in the 4 countries is 6 percent above last year's large figure and considerably above any previous holdings. By far the largest increase from 1960 supplies is in the United States, with an increase of over 15 million tons, mostly corn and wheat. Supplies are also up in Canada and Australia but Argentina's supplies are the smallest of recent years.

Total supplies of wheat in the 4 countries on January 1 were estimated at 3.45 billion bushels, compared with 3.20 billion at the beginning of 1960. Supplies were larger except in Argentina, where they are 25 percent less than a year ago.



GRAINS: Estimated stocks in principal exporting countries, January 1, 1945-1961 <sup>1/</sup>

Country and year	Wheat	Rye	Barley	Oats <sup>2/</sup>	Corn	Total
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	1,000 short tons
United States:						
Average 1945-49 .....	764	16	200	898	2,062	100,272
Average 1950-54 .....	1,040	16	196	856	2,582	122,344
1955 .....	1,481	26	285	967	2,849	147,242
1956 .....	1,567	29	307	1,043	3,082	158,174
1957 .....	1,489	19	292	792	3,418	160,586
1958 .....	1,383	20	360	928	3,611	166,646
1959 .....	1,820	24	394	1,045	3,927	191,404
1960 .....	1,876	20	362	771	4,393	200,868
1961 <sup>3/</sup> .....	2,066	26	352	851	4,700	216,372
Canada:						
Average 1945-49 .....	382	8	116	292	<sup>4/</sup>	19,432
Average 1950-54 .....	563	20	194	351	<sup>4/</sup>	28,073
1955 .....	740	28	225	290	<sup>4/</sup>	33,314
1956 .....	840	27	250	342	<sup>4/</sup>	37,770
1957 .....	970	20	274	487	<sup>4/</sup>	44,515
1958 .....	920	20	271	437	<sup>4/</sup>	42,093
1959 .....	830	13	270	385	<sup>4/</sup>	38,289
1960 .....	820	12	265	360	<sup>4/</sup>	37,416
1961 <sup>3/</sup> .....	885	14	250	365	<sup>4/</sup>	39,147
Argentina:						
Average 1945-49 .....	262	21	47	71	79	12,924
Average 1950-54 .....	217	32	36	68	35	10,338
1955 .....	325	30	55	50	30	13,550
1956 .....	260	30	55	55	25	11,540
1957 .....	300	40	67	85	40	14,208
1958 .....	265	33	50	80	45	12,614
1959 .....	290	35	50	60	60	13,520
1960 .....	260	38	52	70	55	12,772
1961 <sup>3/</sup> .....	195	25	40	60	25	9,170
Australia:						
Average 1945-49 .....	162	<sup>4/</sup>	13	29	<sup>4/</sup>	5,636
Average 1950-54 .....	209	<sup>4/</sup>	30	46	<sup>4/</sup>	7,726
1955 .....	245	<sup>4/</sup>	30	50	<sup>4/</sup>	8,870
1956 .....	280	<sup>4/</sup>	40	75	<sup>4/</sup>	10,560
1957 .....	207	<sup>4/</sup>	47	60	<sup>4/</sup>	8,298
1958 .....	132	<sup>4/</sup>	34	37	<sup>4/</sup>	5,368
1959 .....	220	<sup>4/</sup>	67	110	<sup>4/</sup>	9,968
1960 .....	245	<sup>4/</sup>	40	100	<sup>4/</sup>	9,910
1961 <sup>3/</sup> .....	305	<sup>4/</sup>	65	110	<sup>4/</sup>	12,470
Total:						
Average 1945-49 .....	1,570	45	376	1,290	2,141	138,264
Average 1950-54 .....	2,029	68	456	1,321	2,617	168,481
1955 .....	2,791	84	595	1,357	2,879	202,976
1956 .....	2,947	86	652	1,515	3,107	218,044
1957 .....	2,966	79	680	1,424	3,458	227,607
1958 .....	2,700	73	715	1,482	3,656	226,721
1959 .....	3,160	72	781	1,600	3,987	253,181
1960 .....	3,201	70	719	1,301	4,448	260,966
1961 <sup>3/</sup> .....	3,451	65	707	1,386	4,725	277,159

<sup>1/</sup> Data for Northern Hemisphere countries represent stocks remaining on January 1; estimates for Southern Hemisphere countries include the recently harvested new crop of small grains as well as carryover stocks of old grain on January 1. <sup>2/</sup> Canadian oats in bushels of 34 pounds; data for other countries in bushels of 32 pounds. <sup>3/</sup> Preliminary estimates. <sup>4/</sup> Production small and remaining stocks are of minor importance.

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Corn shares almost equally with wheat in the increase from last year's total. A minor increase is estimated for oats but barley and rye stocks are slightly smaller.

A country breakdown shows U.S. stocks of the 5 grains on January 1 at 216 million short tons. This is 8 percent above the previous high in 1960 and 77 percent above the 1950-54 average. Wheat and corn stocks are at alltime highs. Stocks of oats on January 1 showed some recovery from the low level of a year ago and were back at the 1950-54 level. Barley stocks were slightly less than in January 1960 but were still well above average. Rye stocks were larger than last year and considerably above average.

U.S. wheat stocks of 2,066 million bushels exceed the 1960 record by 10 percent and were 60 percent above the average of the preceding 10 years. Corn in all storage positions totaled a record 4.7 billion bushels at the beginning of January, about 300 million above the 1960 record. Corn on farms shows little increase from a year ago but corn in interior mills, elevators and warehouses, at 952 million bushels, is up about 160 million bushels from a year earlier. Corn owned by the Commodity Credit Corporation is about 118 million bushels above the beginning of 1960.

Barley stocks, estimated at 352 million bushels, are slightly less than a year ago but somewhat above the 1950-59 average of 262 million bushels. Oats stocks were 851 million bushels, compared with 771 million last year and the 10-year average of 906 million. Rye stocks of 26 million bushels are the largest January stocks since 1956.

Canada's total grain stocks, at 39 million short tons, are slightly larger than in 1960, mainly because of a rise in wheat stocks. January wheat stocks of 885 million bushels compare with 820 million last year. Slight increases in stocks of rye and oats are offset by reduced holdings of barley.

Southern Hemisphere figures represent total supplies in the country, i.e. carryover of old grain, plus estimates for the entire harvest of small grains nearing completion in early January. Argentine corn, however, as is the case for all Northern Hemisphere grains, represents stocks of old grain on January 1 from previous harvests.

Grain supplies in Argentina on January 1 are estimated at 9.2 million short tons, compared with 12.8 million a year earlier. This reduction is due to small grain harvests in 1960 and is the smallest supply since the beginning of 1952. Wheat supplies were well below average, as estimated at 195 million bushels, and exportable supplies will be limited. Supplies of other grains are also below average.

Australia's supplies are a reversal of Argentina's. Total supplies this year are at an alltime high of 12.5 million tons compared with 9.9 million a year ago. Most of the increase is in wheat, supplies at January 1 being estimated at 305 million bushels compared with 245 million a year earlier. Record harvests of all grains have recently been completed.

UNITED STATES DEPARTMENT OF AGRICULTURE  
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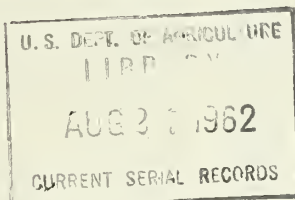




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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 7-61  
May 1961

## NEAR-RECORD 1960 WORLD BARLEY

### AND OATS CROPS CONFIRMED

Latest information confirms earlier Foreign Agricultural Service forecasts of a near-record world crop of barley and oats in 1960. The combined production of the 2 grains is now estimated at 146 million short tons, only slightly below the 1956 record.

A record barley crop is the principal factor in the large production. As now estimated at 3,410 million bushels, world barley is slightly above the previous record in 1956. Oats production of 4,000 million bushels, though well above the small 1959 outturn, is still below average.

Principal areas contributing to the high barley outturn are North America, Western Europe, the Soviet Union and Australia. Oats production was above average only in the Soviet Union, South America, and Australia.

North America's barley total of 639 million bushels is slightly below the 1959 outturn because of a reduction in Canada's crop. Sharply reduced Canadian acreage was only partly offset by good yields. There was little change from the 1959 harvest in the United States.

Oats production in North America is estimated at 1,624 million bushels. This increase of 9 percent, compared with the 1959 production, is shared by Canada and the United States. Acreage was down in both countries but yields were somewhat higher.

Barley production in Western Europe was at an alltime high because of increased acreage and high yields. Record or near-record crops in Denmark, France, West Germany, and the United Kingdom accounted for 75

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average : 1950-54	1958	1959	Average : 1950-54	1958	1959	Average : 1950-54	1958	1959
	1,000 : acres	1,000 : acres	1,000 : acres	Bushels : acres	Bushels : acres	Bushels : acres	Bushels : acres	bushels : acres	bushels : acres
North America:									
Canada .....	7,916	9,548	8,289	7,360	28.9	27.2	28.1	244,764	225,550
Mexico .....	573	593	605	605	13.2	13.9	14.0	7,554	8,450
United States .....	10,173	14,923	15,087	13,951	27.8	28.0	30.3	283,026	422,073
Estimated total 5/ .....	18,660	25,060	23,980	21,920	27.8	27.4	29.2	519,000	656,000
Europe:									
Austria .....	363	427	441	517	36.6	42.2	52.3	13,288	15,400
Belgium .....	213	234	272	259	58.0	67.3	67.4	12,344	14,600
Denmark .....	1,390	1,781	1,858	1,846	64.4	64.1	69.6	89,450	114,130
Finland .....	358	552	576	525	30.5	33.8	38.0	10,904	18,670
France .....	2,713	4,403	4,914	5,168	32.9	40.6	50.6	89,372	178,800
Germany, West .....	1,733	2,178	2,350	2,421	47.5	51.1	61.1	82,320	111,300
Greece .....	522	483	456	448	20.0	25.4	24.1	10,424	12,260
Ireland .....	174	310	333	322	51.2	49.7	58.3	8,910	15,400
Italy .....	619	554	546	535	21.1	24.5	19.9	13,057	13,600
Netherlands .....	183	202	179	170	60.4	71.7	78.6	11,048	14,480
Norway .....	164	359	348	358	44.8	43.5	53.8	7,350	15,620
Portugal .....	380	376	339	365	14.8	12.4	9.0	5,620	4,670
Spain .....	3,903	3,739	3,706	3,954	22.8	21.8	18.1	88,830	81,620
Sweden .....	352	724	783	798	42.2	42.4	48.9	14,850	30,730
Switzerland .....	53	60	62	63	48.7	54.6	55.4	2,581	3,275
United Kingdom .....	2,051	2,755	3,059	3,377	48.9	53.7	57.0	100,326	147,930
Estimated total Western Europe 5/ .....	15,190	19,160	20,250	21,150	36.9	41.4	46.6	561,000	793,000
Bulgaria .....	630	640	665	--	26.8	27.0	31.6	16,900	17,300
Czechoslovakia .....	1,556	1,654	1,660	--	33.5	33.3	40.8	52,100	55,100
Germany, East .....	702	825	875	--	38.2	48.5	51.8	26,800	40,000
Hungary .....	1,080	1,330	1,336	1,256	27.3	25.3	37.6	29,500	33,700
Poland .....	2,072	1,824	1,592	1,780	24.3	30.2	30.1	50,400	55,000
Romania .....	1,235	722	715	--	15.8	19.7	28.8	19,500	14,200
Yugoslavia .....	--	964	934	897	--	22.4	28.3	16,600	21,590
Estimated total Eastern Europe 5/ .....	8,300	7,980	7,790	7,870	25.8	29.7	33.7	214,000	237,000
Estimated total all Europe 5/ .....	23,490	27,140	28,040	29,020	33.0	38.0	43.1	775,000	1,030,000
U.S.S.R. (Europe and Asia) 6/ .....	22,500	23,500	23,700	23,500	15.6	18.7	18.7	350,000	440,000



Asia:													
Cyprus .....	135	148	—	—	18.9	19.2	—	—	2,547:	2,840:	2,250:	1,900	
Iran .....	1,956	—	—	—	18.8	—	—	—	36,798:	43,630:	45,930:	41,500	
Iraq .....	2,374	2,858	2,696	—	14.9	15.3	12.5	—	35,270:	43,760:	33,650:	32,150	
Israel .....	175	128	126	125	16.5	19.2	23.7	—	2,880:	2,460:	2,985:	—	185
Lebanon .....	40	30	30	35	19.0	7.7	6.2	5.3	760:	230:	185:	—	
Syria .....	848	1,200	—	—	14.5	8.8	—	—	12,292:	10,500:	6,000:	5,000	
Turkey .....	5,540	5,500	6,500	—	23.2	23.6	21.5	—	128,380:	130,000:	140,000:	142,000	
China .....	—	—	—	—	—	—	—	—	325,000:	—	—	—	
India .....	8,020	7,549	8,243	8,220	14.7	13.8	15.1	14.8	118,280:	104,440:	124,700:	121,570	
Pakistan .....	557	629	540	630	11.3	12.8	12.0	11.0	6,300:	8,070:	6,500:	6,950	
Japan .....	2,400	2,282	2,206	2,071	37.7	37.8	43.6	46.2	90,439:	86,350:	96,200:	95,625	
Korea, South .....	1,644	1,914	1,927	—	18.5	20.0	22.7	—	30,440:	38,200:	43,800:	44,200	
Estimated total 5/ .....	41,110	42,190	43,190	43,720	19.7	19.7	19.0	18.5	810,000:	830,000:	820,000:	810,000	
Africa:													
Algeria .....	3,102	3,052	2,693	2,896	12.1	11.7	11.0	12.0	37,494:	35,825:	29,500:	34,700	
Egypt .....	128	141	147	154	38.9	44.0	44.2	46.4	4,976:	6,200:	6,500:	6,500	
Morocco 1/ .....	4,934	4,277	4,255	4,077	14.4	13.7	11.8	11.9	71,220:	58,420:	50,355:	48,360	
Tunisia .....	1,295	1,775	1,875	1,700	6.9	6.8	5.8	3.9	8,920:	12,000:	10,800:	6,700	
Union of South Africa .....	135	—	—	—	17.4	—	—	—	2,350:	1,060:	1,100:	—	
Estimated total 5/ .....	11,520	11,790	11,490	11,410	13.0	11.9	11.3	11.4	150,000:	140,000:	130,000:	130,000	
South America:													
Argentina .....	1,587	2,216	2,241	—	24.8	21.9	22.9	—	39,320:	48,500:	51,300:	40,000	
Chile .....	136	165	171	166	31.7	30.3	34.3	33.1	4,316:	5,000:	5,860:	5,500	
Colombia .....	122	104	138	138	22.5	33.2	33.6	35.3	2,740:	3,450:	4,640:	4,870	
Peru .....	465	432	445	457	21.5	20.9	20.8	21.6	9,980:	9,020:	9,260:	9,875	
Uruguay .....	81	165	109	172	16.6	6.8	12.4	14.8	1,344:	1,130:	1,350:	2,550	
Estimated total 5/ .....	2,830	3,650	3,680	3,490	23.0	20.5	21.7	20.1	65,000:	75,000:	80,000:	70,000	
Oceania:													
Australia .....	1,412	2,400	2,400	2,748	22.2	27.1	14.8	24.9	31,350:	65,000:	35,500:	68,500	
New Zealand .....	53	54	62	59	45.1	51.3	56.5	49.2	2,388:	2,770:	3,500:	2,900	
Total .....	1,465	2,454	2,462	2,807	23.0	27.6	15.8	25.4	33,738:	67,770:	39,000:	71,400	
Estimated world total 5/ .....	121,580	135,780	136,540	135,870	22.2	24.4	24.1	25.1	2,700,000:	3,310,000:	3,290,000:	3,410,000	

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production, are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes data for areas formerly known as Spanish Morocco and Tangier.

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percent of total production of 985 million bushels in Western Europe. Production of oats, at 880 million bushels, is about 5 percent above the 1959 total because of high yields. Acreage was moderately below the 1959 area and both acreage and production were considerably below the 1950-54 average.

Eastern Europe's barley crop is estimated at 265 million bushels, compared with 280 million in 1959 and the 1950-54 average of 214 million bushels. Acreage was 5 percent below the average but yields were well above average. Oats production was 365 million bushels. This is about 5 percent below the large 1959 crop but slightly above average. Acreage was less than in 1959 and much below average, but yields were high.

Production of these grains is estimated to be above average in the Soviet Union mainly because of higher yields. Acreage of barley appears to have increased moderately but a substantial reduction in oats acreage is estimated.

Asia's barley crop of 810 million bushels is slightly below the above-average 1959 total. A slight increase in acreage was more than offset by reduced yields. An increase in production is indicated for oats mainly because of Turkey's larger outturn.

In Africa barley production of 130 million bushels was the same as the 1959 harvest. This is well below the average of 150 million bushels, because of smaller yields. Production of oats is minor and the current estimate of 15 million bushels is the same as the 1959 outturn.

Barley production in South America is estimated at 70 million bushels, 10 million below the large 1959 crop. The reduction is in the Argentine crop, which is at the average level in contrast to the large crop last year. Oats production of 75 million bushels in South America is 5 million less than in 1959 because of lower yields in Argentina.

Production of these grains was at a near-record level in Australia. The barley outturn of 68 million bushels is almost double the 1959 harvest and is more than double the 1950-54 average. Oats production, at 86.5 million bushels, has been exceeded only once and is double the 1950-54 average.



Growth Through Agricultural Progress





UNITED STATES DEPARTMENT OF AGRICULTURE  
Washington 25, D. C.

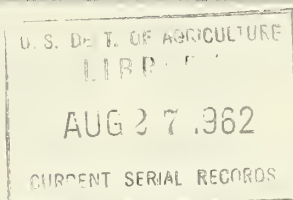
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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 8-61  
June 1961

## U.S. EXPORTS OF PREPARED AND

## MIXED FEEDS SET RECORD

U.S. exports of prepared and mixed feeds of cereal origin and of feeds and fodders not separately classified (but in which products of the grain milling and processing industries are important ingredients) reached a record of 419,000 short tons in 1959-60. The average for the 5-year period ending with 1953-54 was only 99,000 tons.

Products almost entirely of cereal origin (poultry feeds, corn feeds, wheat feeds, and dairy feeds) constituted 59 percent of the 1959-60 total. The remaining 41 percent consisted of fodders and feeds (including concentrates) not elsewhere classified, in which grain by-products of the milling, processing, brewing, and distilling industries represented a substantial part of the total.

The increase reflects expanding livestock numbers in many foreign countries, upward trends in consumer purchasing power, and per capita consumption of meat, eggs, and dairy products. Of the 1959-60 total, European countries took 41 percent and Western Hemisphere markets took 40 percent. Shipments to Asian markets are increasing but made up only 19 percent of the total. Exports to Africa and Oceania are relatively small.



Table 1.--FEEDS, PREPARED AND MIXED: U.S. exports by classification, average 1950-54, annual 1956-59

Commodity	Average 1950-54	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Dairy feeds .....	4,000	12,045	6,937	6,041	4,509
Poultry feeds .....	29,000	97,498	109,253	113,169	115,558
Corn feeds .....	15,000	12,950	15,559	14,718	66,071
Wheat feeds .....	4,000	11,479	67,185	53,072	59,015
Fodders and other feeds .....	47,000	233,045	98,048	121,685	173,401
Total .....	99,000	367,017	296,982	308,685	418,554

Table 2.--FEEDS, PREPARED AND MIXED: Total exports by areas, 1955-56 through 1959-60

Area	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere	197,120	160,798	170,202	183,840	166,282
Europe .....	223,806	177,303	59,019	53,978	170,890
Asia .....	40,067	27,856	66,583	69,907	79,601
Africa .....	503	577	597	662	989
Oceania .....	369	483	581	298	792
Total .....	461,865	367,017	296,982	308,685	418,554

Exports of prepared and mixed poultry feeds (mixed chicken feed, hen feed, laying mash, mash, Quaker 20, turkey pellets, and feeds containing less than 100,000 units of penicillin or 100,000 units of bacitracin per pound, or less than 1/10 gram of any other antibiotic per pound) represent the largest item among those in which grains are the most important ingredient. Exports of such products in 1959-60 show an increase of 300 percent compared with the 1950-54 average. The principal markets are in Central American and Caribbean countries, Mexico, the Guianas, and Venezuela.

Prepared or mixed corn feeds (bran, gluten feed and meal, grits and cornmeal, cracked corn, hominy feed and corn feed with added vitamin) were the second most important item in 1959-60 exports of feeds made largely from grain. Exports increased by more than 340 percent from 1950-54 to 1959-60. European countries, mainly the Netherlands, Iceland, West Germany, Italy, and Belgium were the leading buyers in 1959-60.

Prepared or mixed wheat feeds (bran, cracked and crushed wheat feed, middlings, red dog, shorts, mixed wheat feed, and wheat flakes, scalplings and screenings) constitute the third most important group of U.S. exports of prepared or mixed feeds. Exports in 1959-60 show an increase of more than 1,375 percent compared with the 1950-54 average. Japan continues as the largest buyer.

Exports of prepared or mixed dairy feeds (calf meal, mixed cattle feed, Con-O-Mineral, cow feed, Hon-E-Mix, and feeds containing less than 100,000 units of penicillin or 100,000 units of bacitracin per pound, or less than 1/10 gram of any other antibiotic per pound) in 1959-60 were about 13 percent above the 1950-54 average. The bulk of the exports went to Western Hemisphere markets.

Exports of fodders and other feeds (including concentrates) not elsewhere classified have fluctuated widely from year to year during the past five years. The 1959-60 total, however, was 269 percent larger than the 1950-54 average. European markets took about 59 percent of the 1959-60 exports, Western Hemisphere countries 28, and Japan 11 percent.

Feeds in this category include those from barley screenings; brewers' dried grain; dehydrated cereal grass feed; distillers' dried grains, grain chaff, hulls and screenings; malt sprouts; milo flour meal grits; oat blowings and clippings, and oat feed; rice bran, middlings, millfeed, offal, shorts and middlings; rye mill feed and offal; sorghum meals; spent grain, and mash, dried; and those from a number of other products of vegetable origin.



Growth Through Agricultural Progress

Table 3.--POULTRY FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:					
Canada .....	394	695	70	128	151
Mexico .....	9,622	24,384	27,633	18,663	9,416
Guatemala .....	715	1,299	1,504	2,493	5,322
British Honduras .....	97	258	361	549	810
El Salvador .....	638	1,238	1,233	1,805	2,088
Honduras .....	46	78	124	148	142
Nicaragua .....	--	10	111	135	331
Costa Rica .....	3,131	5,348	6,763	10,400	11,485
Panama Republic .....	2,131	2,233	1,382	1,060	1,199
Canal Zone .....	127	72	173	--	10
Bermuda .....	3,566	4,184	4,016	5,493	5,253
Bahamas .....	4,527	5,173	3,609	3,395	5,475
Cuba .....	11,581	11,300	15,182	14,786	7,746
Jamaica .....	4,279	6,221	9,514	13,998	16,045
Haiti .....	223	264	313	305	352
Dominican Republic .....	534	469	541	1,016	915
Leeward & Windward Is. :	178	265	292	593	665
Barbados .....	621	1,193	2,320	2,861	2,890
Trinidad and Tobago .....	8,839	9,271	11,556	13,260	12,766
Netherlands Antilles ...:	6,155	6,338	7,252	8,658	9,536
French West Indies .....	185	72	124	55	143
Colombia .....	6,053	1,340	413	127	127
Venezuela .....	5,147	4,312	7,323	5,290	4,653
British Guiana .....	800	1,836	2,375	3,790	5,749
Surinam .....	563	772	798	902	1,711
French Guiana .....	--	--	--	--	243
Ecuador .....	44	296	297	410	679
Peru .....	--	--	119	43	--
Bolivia .....	--	--	--	42	--
Brazil .....	--	--	--	--	2
Total .....	70,196	88,921	105,398	110,405	105,904
Europe:					
Iceland .....	3,326	3,787	926	202	2,452
Sweden .....	--	22	3	--	--
Netherlands .....	27	8	--	--	26
Belgium-Luxembourg .....	2	--	289	--	6
Germany, West .....	--	--	--	55	--
Poland .....	--	--	--	--	154
Italy .....	--	1	--	29	1,476
Greece .....	--	--	--	40	--
Total .....	3,355	3,818	1,218	326	4,114

(Continued)



Table 3.--POULTRY FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59 (Continued)

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Asia:					
Syria .....	--	--	--	--	25
Lebanon .....	180	398	622	513	1,816
Israel .....	--	--	--	86	76
Jordan .....	--	--	7	5	24
Kuwait .....	--	--	--	--	80
Saudi Arabia .....	273	--	--	--	--
Bahrein .....	--	--	--	25	--
Thailand .....	--	--	--	--	2
Vietnam, Laos & Cambodia:	--	328	8	--	30
Malaya .....	12	11	6	--	--
Philippines .....	2,140	2,628	948	1,064	1,110
Hong Kong .....	--	--	--	--	745
Japan .....	--	450	16	--	607
Nansei & Nanpo Islands	--	--	--	--	20
Total .....	2,605	3,815	1,607	1,693	4,535
Others:					
Australia .....	--	--	--	--	2
French Pacific Islands	296	436	446	204	264
Trust Territory of the Pacific .....	66	41	100	30	64
Libya .....	--	--	16	10	40
Ghana .....	--	--	--	35	--
Nigeria .....	--	--	--	50	--
Liberia .....	388	465	468	400	635
Belgian Congo .....	--	2	--	16	--
Total .....	750	944	1,030	745	1,005
World total .....	76,906	97,498	109,253	113,169	115,558

Table 4.--CORN FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:					
Canada .....	81	162	279	531	887
Mexico .....	--	10	52	170	320
Guatemala .....	--	--	--	10	--
Panama .....	500	--	--	--	2
Bermuda .....	--	23	15	3	15
Bahamas .....	92	165	1,658	1,589	324
Cuba .....	10	--	20	932	465
Jamaica .....	--	50	105	25	643
Leeward & Windward Is. ...	--	--	32	--	--
Barbados .....	--	167	--	--	250
Trinidad & Tobago .....	--	--	--	226	1,579
Haiti .....	--	--	--	--	50
Netherlands Antilles ....	228	594	30	--	57
French West Indies .....	--	8	--	--	14
Colombia .....	5	--	64	--	--
British Guiana .....	13	--	20	--	20
Total .....	929	1,179	2,275	3,486	4,626
Europe:					
Iceland .....	12,732	11,655	12,455	8,013	10,522
Sweden .....	--	--	--	--	33
Denmark .....	--	15	--	--	447
Ireland .....	--	--	--	--	280
Netherlands .....	635	15	16	350	26,825
Belgium-Luxembourg .....	470	--	--	--	4,479
France .....	--	28	--	--	2,210
Germany, West .....	--	--	--	--	9,974
Switzerland .....	--	--	--	--	110
Italy .....	30	33	753	2,849	6,325
Total .....	13,867	11,746	13,224	11,212	61,205
Others:					
Philippines .....	31	--	--	--	225
Korea, Republic of .....	--	25	60	--	--
Taiwan (Formosa) .....	23	--	--	--	--
Japan .....	--	--	--	--	13
Trust Territory .....	5	--	--	--	2
Liberia .....	50	--	--	20	--
Total .....	109	25	60	20	240
World total .....	14,905	12,950	15,559	14,718	66,071

Table 5.--WHEAT FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1956-59 <sup>1/</sup>

Country of destination	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons
<b>Western Hemisphere:</b>				
Canada .....	15	20	17	122
Mexico .....	82	--	31	--
Guatemala .....	--	--	--	52
El Salvador .....	--	--	--	75
Nicaragua .....	--	--	--	6
Costa Rica .....	--	--	20	72
Panama Republic .....	--	--	80	--
Bermuda .....	--	--	30	30
Bahamas .....	--	--	5	11
Cuba .....	--	30	6	348
Jamaica .....	20	20	132	110
Dominican Republic .....	80	160	72	15
Barbados .....	--	--	--	935
Trinidad and Tobago .....	60	--	85	373
Netherlands Antilles .....	--	--	195	350
Colombia .....	--	21	--	--
Venezuela .....	126	120	193	389
Surinam .....	62	20	6	84
Ecuador .....	--	--	20	151
Peru .....	--	--	1,646	--
<b>Total .....</b>	<b>445</b>	<b>391</b>	<b>2,538</b>	<b>3,123</b>
<b>Europe:</b>				
Iceland .....	80	363	100	151
United Kingdom .....	112	13,473	--	--
Netherlands .....	--	--	--	2,905
Italy .....	55	--	--	--
<b>Total .....</b>	<b>247</b>	<b>13,836</b>	<b>100</b>	<b>3,056</b>
<b>Others:</b>				
Saudi Arabia .....	30	38	--	--
Korea, Republic of .....	--	10	--	--
Hong Kong .....	--	--	551	--
Japan .....	10,757	52,885	49,883	52,836
Liberia .....	--	25	--	--
<b>Total .....</b>	<b>10,787</b>	<b>52,958</b>	<b>50,434</b>	<b>52,836</b>
<b>World total .....</b>	<b>11,479</b>	<b>67,185</b>	<b>53,072</b>	<b>59,015</b>

<sup>1/</sup> Not separately reported in 1955-56. Included with "fodders and feeds, n.e.c."



Table 6.--DIARY FEEDS, PREPARED OR MIXED: U.S. exports by country of destination, year beginning July 1, 1956-59 <sup>1/</sup>

Country of destination	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:				
Canada .....	225	174	193	332
Mexico .....	596	362	754	156
Guatemala .....	21	203	63	110
British Honduras .....	--	--	50	--
El Salvador .....	88	55	134	234
Honduras .....	--	33	--	--
Nicaragua .....	--	--	21	24
Costa Rica .....	330	241	394	216
Panama .....	766	439	43	82
Canal Zone .....	1,902	1,355	--	--
Bermuda .....	575	467	268	30
Bahamas .....	185	410	414	395
Cuba .....	1,044	728	579	204
Jamaica .....	5	330	276	128
Haiti .....	--	6	--	10
Dominican Republic .....	78	38	29	61
Leeward and Windward Islands	--	20	30	--
Barbados .....	59	37	181	598
Trinidad and Tobago .....	43	132	256	218
Netherlands Antilles .....	255	756	779	353
French West Indies .....	--	22	--	--
Colombia .....	469	32	110	--
Venezuela .....	187	69	223	328
British Guiana .....	41	151	48	4
Surinam .....	--	112	51	28
Ecuador .....	--	15	25	--
Peru .....	66	98	40	10
Total .....	6,935	6,285	4,961	3,521
Europe:				
Iceland .....	4,969	226	330	--
Denmark .....	--	--	400	--
Belgium-Luxembourg .....	--	15	--	559
Portugal .....	--	--	--	5
Italy .....	110	363	275	373
Greece .....	3	--	--	6
Total .....	5,082	604	1,005	943
Others:				
Saudi Arabia .....	--	30	--	--
Singapore .....	--	18	--	--
Philippines .....	20	--	34	43
French Pacific Islands .....	--	--	41	2
Liberia .....	8	--	--	--
Total .....	28	48	75	45
World total .....	12,045	6,937	6,041	4,509

<sup>1/</sup> Not separately reported in 1955-56. Included with "fodders and feeds, n.e.c."

Table 7.--FODDERS AND FEEDS, n.e.c.: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination :	1955-56 :	1956-57 :	1957-58 :	1958-59 :	1959-60 :
Short tons	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:					
Canada .....	64,367	29,189	24,066	33,039	19,281
Mexico .....	34,105	14,682	12,626	8,449	6,160
Guatemala .....	295	424	302	587	654
British Honduras .....	--	--	8	20	12
El Salvador .....	154	120	45	154	747
Honduras .....	54	47	118	102	124
Nicaragua .....	158	--	40	39	75
Costa Rica .....	620	254	302	155	672
Panama .....	1,386	898	503	461	415
Canal Zone .....	2,485	195	280	16	90
Bermuda .....	2,658	1,903	1,700	808	1,336
Bahamas .....	917	87	234	625	629
Cuba .....	4,945	6,406	5,848	6,187	2,573
Jamaica .....	1,039	968	1,062	1,726	2,180
Haiti .....	25	91	39	50	74
Dominican Republic .....	1,872	297	345	227	131
Leeward & Windward Is. :	21	--	--	32	10
Barbados .....	118	118	133	418	909
Trinidad & Tobago .....	626	947	579	1,690	3,892
Netherlands Antilles ...:	1,042	1,161	693	1,072	1,368
Colombia .....	3,765	1,038	276	8	22
Venezuela .....	4,157	3,717	6,146	6,064	6,851
British Guiana .....	548	160	78	130	137
Surinam .....	177	84	109	57	84
French Guiana .....	--	--	--	--	10
Ecuador .....	125	195	33	148	278
Peru .....	336	276	167	157	157
Brazil .....	--	61	121	29	204
Argentina .....	--	--	--	--	33
Total .....	125,995	63,318	55,853	62,450	49,108
Europe:					
Iceland .....	4,368	5	2,836	1,856	992
Sweden .....	1,402	169	85	232	433
Norway .....	3,333	44	--	14	163
Denmark .....	33,598	8,388	1,327	2,967	4,907
United Kingdom .....	77,679	70,809	13,369	26,662	33,791
Ireland .....	1,840	437	510	559	330
Netherlands .....	21,247	8,465	2,115	1,445	15,888
Belgium-Luxembourg .....	27,244	44,869	4,670	676	18,818
France .....	1,137	112	353	1,237	6,888
Germany, West .....	6,944	13,011	1,833	1,056	12,974
Austria .....	279	--	--	--	75
Switzerland .....	17,610	6,627	987	13	24

(Continued)

Table 7.--FODDERS AND FEEDS, n.e.c.: U.S. exports by country of destination, year beginning July 1, 1955-59 (Continued)

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-50
	Short tons	Short tons	Short tons	Short tons	Short tons
Europe (Continued):					
Finland .....	110	39	--	13	45
U.S.S.R. ....	--	--	--	56	27
Spain .....	135	110	44	79	2,582
Portugal .....	--	--	--	5	--
Italy .....	4,283	2,958	1,961	4,462	3,614
Greece .....	5,375	367	47	3	21
Total .....	206,584	156,410	30,137	41,335	101,572
Asia:					
Turkey .....	--	20	--	--	--
Lebanon .....	27	122	10	269	277
Iran .....	--	4	5	5	5
Israel .....	6,726	2,683	1,520	53	135
Kuwait .....	--	--	9	--	2
Saudi Arabia .....	115	5	104	--	--
Arabia, n.e.c. ....	--	--	--	--	5
Pakistan .....	--	2	1	--	12
Ceylon .....	--	--	--	--	5
Thailand .....	3	16	13	7	39
Malaya & Singapore .....	86	51	175	47	53
Philippines .....	2,167	3,671	2,504	915	724
Macao .....	30	--	--	--	--
Korea .....	--	51	118	22	141
Hong Kong .....	19	42	79	1,084	1,172
Taiwan .....	13	20	--	--	25
Japan .....	28,133	6,510	7,392	15,321	19,345
Nansei & Nanpo Islands	89	12	5	23	9
Total .....	37,408	13,209	11,935	17,746	21,949
Others:					
Australia .....	--	--	--	11	610
New Zealand .....	--	--	--	--	34
French Pacific Islands	--	6	--	12	2
Trust Territory of the Pacific Islands .....	2	--	35	--	9
Morocco .....	28	18	40	--	--
Libya .....	--	15	--	10	34
Egypt .....	--	1	--	--	8
Ghana .....	--	--	--	20	--
Nigeria .....	--	--	--	--	5
Liberia .....	37	34	34	96	43
Belgian Congo .....	--	24	14	5	27
Ethiopia .....	--	10	--	--	--
Total .....	67	108	123	154	772
World total .....	370,054	233,045	98,048	121,685	173,401





UNITED STATES DEPARTMENT OF AGRICULTURE  
WASHINGTON 25, D. C.

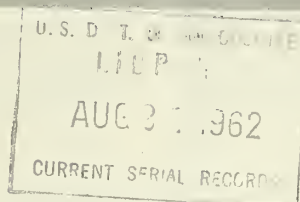
            
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# FOREIGN AGRICULTURE CIRCULAR

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Foreign Agricultural Service Washington D.C.



GRAIN  
FG 9-61  
July 1961

## WORLD CORN CROP SETS NEW

## HIGH OF 8.2 BILLION BUSHELS



Latest information available to the Foreign Agricultural Service confirms earlier forecasts of a record 1960 corn crop.

Production is now estimated at 8.2 billion bushels, slightly above an earlier forecast. (See monthly supplement issue of Foreign Crops and Markets, February 23, 1961). This exceeds the previous high in 1959 by 260 million bushels. Most of the increase was in the United States and the Soviet Union. However, production was at a very high level in all areas except Eastern Europe where production was 7 percent below the large 1959 total.

Corn production in North America is now estimated at 4,648 million bushels, compared with the previous high of 4,589 million in 1959. The increase was in the United States where the record of 4,353 million bushels for all purposes represented 53 percent of total world production. A moderate decline is reported for Mexico, but the outturn of 205 million bushels is sharply above the 1950-54 average of 141 million. Canada, the third largest producer of the area had a slightly smaller outturn than the near-record in 1959.

Western Europe's corn crop of 332 million bushels is at a new high mainly because of the unprecedented outturn in France. Production there is reported at 103 million bushels compared with 72 million in 1959 and the 1950-54 average of 26 million. Corn production in Italy is reported at 150 million bushels only slightly below the record 1959 crop of 153 million but well above the 1950-54 average of 112 million.

A corn outturn smaller than the record 1959 harvest in Eastern Europe offset the rise in Western Europe. Though below the 1959 total, the



CORN: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/		Yield per acre 2/		Production	
	Average : 1950-54	1958 : 1959	Average : 1950-54	1958 : 1959	Average : 1950-54	1958 : 1959
	acres	acres	Bushels	Bushels	bushels	bushels
1,000	1,000	1,000	1,000	1,000	1,000	1,000
North America:						
Canada .....	370	498	514	60.0	19,835	29,892
El Salvador .....	434	440	412	12.7	7,260	5,600
Guatemala .....	1,357	1,700	--	10.9	17,000	18,500
Honduras .....	719	889	--	11.6	8,325	10,300
Mexico .....	11,417	15,744	14,579	13.2	141,390	207,730
Nicaragua .....	308	328	319	12.8	4,675	4,200
United States .....	80,826	73,327	83,529	51.8	3,112,091	3,800,863
Cuba .....	415	383	457	15.1	6,640	5,800
Estimated total 5/ .....	96,760	94,300	104,320	43.4	3,331,000	4,097,000
Europe:						
Austria .....	156	121	144	50.4	5,426	6,100
France .....	894	1,457	1,740	45.2	26,394	65,870
Greece .....	630	511	513	17.3	9,754	8,830
Italy .....	3,316	3,200	3,250	45.3	112,232	145,000
Portugal .....	1,183	1,185	1,172	14.1	16,986	16,720
Spain .....	991	939	964	38.4	26,980	36,060
Estimated total Western Europe 5/ .....	7,220	7,430	7,660	37.7	201,000	280,000
Albania .....	300	390	--	15.4	4,800	6,000
Bulgaria .....	1,780	1,455	1,818	18.9	27,500	27,500
Czechoslovakia .....	350	445	462	42.4	12,200	18,850
Hungary .....	2,830	3,225	3,356	35.7	86,200	115,000
Rumania .....	7,350	9,000	8,785	17.0	125,000	144,000
Yugoslavia .....	5,950	5,906	6,375	26.3	130,000	155,500
Estimated total Eastern Europe 5/ .....	18,600	20,460	21,180	22.9	387,000	468,000
Estimated total all Europe 5/ .....	25,820	27,890	28,840	26.8	588,000	748,000
U.S.S.R. (Europe and Asia) 6/ .....	10,400	20,000	21,500	18.3	190,000	600,000
Asia:						
Turkey .....	1,581	1,678	1,730	14.9	31,402	25,000
China .....	--	--	--	--	410,000	--
India .....	8,745	10,457	10,457	12.9	99,892	135,240
Pakistan .....	1,013	1,139	1,134	16.4	16,016	18,680
Indonesia .....	5,210	6,677	5,700	13.8	72,000	103,700
Japan 7/ .....	107	122	118	33.5	2,488	4,370
Philippines .....	2,764	3,300	3,272	12.1	28,384	40,000
Thailand .....	109	310	491	23.6	1,428	7,320
Estimated total 5/ .....	42,600	48,080	49,350	16.7	710,000	880,000
Estimated total 5/ .....	42,600	48,080	49,350	16.7	710,000	880,000

<b>Africa:</b>													
Republic of the Congo 8/	1,092	1,151	1,185	--	13.5	17.6	19.4	--	14,768	20,300	23,000	--	--
Kenya 9/	425	--	--	--	28.2	--	--	--	12,000	15,000	13,000	--	--
Egypt	1,819	2,030	1,929	1,890	33.9	34.1	30.6	35.2	61,670	69,200	59,000	66,600	66,600
Morocco 10/	1,236	1,184	1,000	1,005	7.7	12.3	13.5	15.7	9,536	14,515	13,520	15,750	15,750
Former French West Africa	1,733	--	--	--	9.8	--	--	--	16,975	--	--	--	--
Malagasy Republic	200	230	--	--	14.0	12.6	--	--	2,800	2,900	--	--	--
Angola	1,300	1,544	--	--	8.2	8.2	--	--	10,670	12,600	13,800	--	--
Rhodesia and Nyasaland	--	3,000	--	--	--	15.7	--	--	--	47,000	44,000	--	--
Republic of South Africa	7,865	--	--	--	14.7	--	--	--	115,450	144,000	150,000	165,000	165,000
Estimated total 5/	25,680	29,470	29,150	29,190	15.0	15.9	16.0	16.8	385,000	470,000	465,000	490,000	490,000
<b>South America:</b>													
Argentina	4,833	--	--	--	24.8	--	--	--	120,098	215,000	175,000	200,000	200,000
Brazil	12,700	15,300	16,300	15,000	19.4	19.9	20.6	21.7	247,000	305,000	335,000	325,000	325,000
Chile	135	167	184	203	26.2	31.4	30.9	30.5	3,542	5,240	5,690	6,200	6,200
Colombia	1,800	1,742	1,606	1,767	17.1	19.2	17.2	19.2	30,800	33,500	27,600	34,000	34,000
Ecuador	475	475	500	500	10.0	12.8	12.4	12.0	3,440	6,100	6,200	6,000	6,000
Peru	636	589	568	657	19.2	19.7	23.1	19.8	12,186	11,580	13,100	13,000	13,000
Uruguay	643	766	641	590	10.7	6.8	5.5	--	6,902	5,240	3,500	--	--
Venezuela	700	735	693	815	18.4	19.0	19.0	19.3	12,850	14,000	13,200	15,700	15,700
Estimated total 5/	22,380	26,840	27,460	26,940	20.1	22.5	21.5	23.0	450,000	605,000	590,000	620,000	620,000
<b>Oceania:</b>													
Australia	173	180	186	205	27.2	33.9	36.0	33.2	4,710	6,100	6,700	6,800	6,800
New Zealand	5	7	7	7	62.0	60.0	57.1	50.0	310	420	400	350	350
Estimated total 5/	180	190	200	220	27.8	36.8	35.0	31.8	5,000	7,000	7,000	7,000	7,000
Estimated world total 5/	223,820	246,770	260,820	267,630	25.3	30.0	30.4	30.6	5,660,000	7,410,000	7,940,000	8,200,000	8,200,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvest which began early in 1961. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for the Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Soviet corn area shown is reported as area harvested for grain only, whereas reported production presumably includes also grain equivalent from some of the acreage harvested in an immature stage. 7/ Dried corn only. Previous published series included some immature corn. 8/ Includes Ruanda-Urundi. 9/ Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. 10/ Prior to 1958 excludes data for area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.



current estimate of 658 million bushels is 70 percent above the 1950-54 average. Expanded corn production since that time is due to both substantially increased acreage and yields.

Corn acreage apparently was at a new high in the Soviet Union in 1960, and the harvest of mature grain and of ears harvested in the immature stage is estimated to be up to the 1958 record of 600 million bushels. Comparison with the 1950-54 average of 190 million bushels shows progress in the Government's program to expand corn production, to build up feed supplies.

Asia's 1960 corn crop is estimated at 845 million bushels, slightly less than in 1959 but well above the average of 710 million. Acreage was up sharply but yields were lower in most areas.

Corn production in Africa is larger than had been expected, mainly because of a larger crop in the Republic of South Africa. The current estimate of 165 million bushels for the recently harvested crop is an alltime high for that country. Production in the Republic is a third of Africa's total corn production.

South America's corn crop is still estimated to be one of the largest in recent years. Outturns in both Argentina and Brazil are reported to be large. These 2 countries together produce about 85 percent of the total for South America. The present estimate of 620 million bushels for the continent is 5 percent above the 1959 total and 38 percent above the 1950-54 average.

Corn is of minor importance in Oceania and the 1960 crop is now estimated at 7 million bushels. This is the same as production for the past 2 years and slightly above average.

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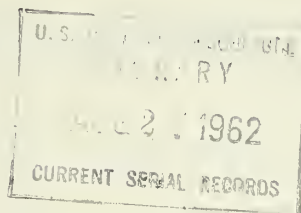
UNITED STATES DEPARTMENT OF AGRICULTURE



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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 10-61  
October 1961

## WORLD BREADGRAIN CROP SLIGHTLY

### BELOW 1958-60 LEVEL

World breadgrain production in 1961 is expected to be slightly below the high level of the past 3 years, according to preliminary estimates of the Foreign Agricultural Service.

Production of wheat and rye is forecast at 276 million short tons, 2 percent less than in 1960 but 11 percent above the 1950-54 average. Present forecasts are tentative and subject to change as later estimates become available for Northern Hemisphere countries and as the crops develop in the Southern Hemisphere, where harvests are much later. Thus, growing conditions up to early December will play a large part in determining the final outturn in Argentina and Australia, the most important producers in the Southern Hemisphere.

World wheat production of 7.95 billion bushels is 3 percent below the 1960 total of 8.19 billion but is 14 percent above 1950-54 total. World rye is estimated at 1.35 billion bushels, slightly above the 1960 production of 1.33 billion, but somewhat smaller than the 1950-54 average of 1.45 billion. Smaller outturns than last year in Western Europe are offset by a larger crop in the Soviet Union, the leading rye producer of the world.

Total wheat supplies in the United States for the current marketing season are only slightly below the record established last year, since larger carryover stocks on July 1, 1961 offset a smaller crop. Import needs will be larger than last year in Western Europe and in parts of Asia, especially Mainland China. Competition for export markets will still be keen even though Canada's supply is down about 250 million bushels because of the small outturn this year. Australia's supply will again be large but somewhat below the record supply for 1961.

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 2/			Production		
	Average : 1950-54	1959 :	1960 : 1961 1/	Average : 1950-54	1959 :	1960 : 1961 1/	Average : 1950-54	1959 :	1960 : 1961 1/
<b>North America:</b>									
Canada .....	26,130	23,065	23,198	20.6	17.9	21.1	10.6	537,632	413,520
Mexico .....	1,647	2,338	1,853	13.2	22.0	24.8	26.2	21,788	51,440
United States .....	63,361	52,665	51,859	17.3	21.4	26.0	23.5	1,094,183	1,126,682
Estimated total 5/ .....	91,200	78,160	77,000	18.1	20.4	24.5	19.6	1,654,000	1,592,000
<b>Europe:</b>									
Austria .....	573	661	685	29.5	32.7	37.7	38.6	16,920	21,620
Belgium .....	421	496	498	48.2	58.8	62.0	52.1	20,278	29,145
Denmark .....	195	218	203	54.5	61.4	57.9	52.5	10,630	13,375
Finland .....	377	344	447	23.2	25.9	30.2	29.7	8,739	8,900
France .....	10,916	10,970	10,769	28.9	38.7	37.6	35.5	315,244	425,000
Germany, West .....	2,728	3,295	3,429	40.4	50.2	53.0	42.5	110,228	165,540
Greece .....	2,410	2,875	2,820	16.6	22.6	21.7	22.4	40,042	65,000
Ireland .....	362	282	365	36.0	48.2	47.1	46.7	13,036	13,600
Italy .....	12,085	11,600	11,300	23.8	26.8	22.1	27.5	288,080	311,200
Luxembourg .....	45	---	---	30.7	---	---	---	1,382	---
Netherlands .....	209	297	313	54.4	63.6	69.2	56.8	11,376	18,900
Norway .....	56	23	22	30.0	31.7	38.2	39.1	1,682	730
Portugal .....	1,785	2,094	1,920	13.2	10.9	9.4	8.8	23,526	22,900
Spain .....	10,470	10,774	10,230	14.8	16.2	12.7	12.8	155,000	175,000
Sweden .....	896	778	836	33.1	39.5	36.2	45.1	29,640	30,725
Switzerland .....	225	256	258	41.9	47.5	51.6	41.6	9,430	12,150
United Kingdom .....	2,263	1,929	1,827	41.8	53.9	53.3	49.8	94,640	104,000
Estimated total Western Europe 5/ .....	46,020	46,940	46,260	25.0	30.3	28.6	28.6	1,150,000	1,420,000
<b>Bulgaria</b>									
Bulgaria .....	3,540	3,439	3,110	18.6	22.1	25.3	---	66,000	76,000
Czechoslovakia .....	1,840	1,875	1,610	28.5	29.9	34.3	---	52,500	56,000
Germany, East .....	1,120	1,075	1,075	34.0	44.5	---	---	38,100	47,800
Hungary .....	3,400	2,799	2,600	21.3	25.4	25.0	---	72,500	70,150
Poland .....	3,730	3,546	3,370	19.0	25.9	25.1	---	70,800	92,000
Romania .....	6,710	7,383	7,010	16.2	19.9	18.1	---	108,750	147,000
Yugoslavia .....	---	5,263	5,090	---	28.8	25.8	24.4	80,000	151,750
Estimated total Eastern Europe 5/ .....	25,500	25,600	24,110	19.2	25.2	24.5	23.9	490,000	645,000
Estimated total all Europe 5/ ....	71,520	72,540	70,370	22.9	28.5	27.2	26.9	1,640,000	2,065,000
U.S.S.R. (Europe and Asia) 6/ .....	111,500	157,000	148,500	155,000	11.1	12.1	11.4	1,240,000	1,900,000



<b>Asia:</b>														
Iran .....	1,871	---	---	---	---	---	---	---	---	---	---	---	---	---
Iraq .....	90	130	---	---	---	---	---	---	---	---	---	---	---	---
Israel .....	651	525	---	---	---	---	---	---	---	---	---	---	---	---
Jordan .....	165	153	---	---	---	---	---	---	---	---	---	---	---	---
Lebanon .....	2,277	2,100	---	---	---	---	---	---	---	---	---	---	---	---
Syria .....	13,514	15,500	---	---	---	---	---	---	---	---	---	---	---	---
Turkey .....	24,456	31,141	---	---	---	---	---	---	---	---	---	---	---	---
China .....	10,380	12,000	---	---	---	---	---	---	---	---	---	---	---	---
India .....	1,766	1,486	---	---	---	---	---	---	---	---	---	---	---	---
Pakistan .....	245	310	---	---	---	---	---	---	---	---	---	---	---	---
Japan .....	127,820	140,760	---	---	---	---	---	---	---	---	---	---	---	---
Korea, South .....	127,820	140,760	---	---	---	---	---	---	---	---	---	---	---	---
Estimated total 5/ .....	127,820	140,760	144,940	137,260	13.8	13.5	13.5	13.5	13.5	13.7	13.7	13.7	13.7	13.7
<b>Africa:</b>														
Algeria .....	4,267	4,302	---	---	---	---	---	---	---	---	---	---	---	---
Egypt .....	1,631	1,531	---	---	---	---	---	---	---	---	---	---	---	---
Morocco 7/ .....	3,674	3,870	---	---	---	---	---	---	---	---	---	---	---	---
Tunisia .....	2,399	3,274	---	---	---	---	---	---	---	---	---	---	---	---
Republic of South Africa 8/ .....	3,020	3,156	---	---	---	---	---	---	---	---	---	---	---	---
Estimated total 5/ .....	16,480	17,970	18,610	16,940	11.2	10.9	11.3	11.3	11.3	9.1	9.1	9.1	9.1	9.1
<b>South America:</b>														
Argentina .....	11,871	10,818	---	---	---	---	---	---	---	---	---	---	---	---
Brazil .....	1,475	2,100	---	---	---	---	---	---	---	---	---	---	---	---
Chile .....	1,910	2,185	---	---	---	---	---	---	---	---	---	---	---	---
Colombia .....	430	395	---	---	---	---	---	---	---	---	---	---	---	---
Peru .....	410	370	---	---	---	---	---	---	---	---	---	---	---	---
Uruguay .....	1,515	725	---	---	---	---	---	---	---	---	---	---	---	---
Estimated total 5/ .....	17,840	16,870	15,140	16,800	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3
<b>Oceania:</b>														
Australia .....	10,716	12,173	---	---	---	---	---	---	---	---	---	---	---	---
New Zealand .....	116	163	---	---	---	---	---	---	---	---	---	---	---	---
Total Oceania .....	10,832	12,336	13,565	14,670	17.2	16.8	16.8	16.8	16.8	18.3	18.3	18.3	18.3	18.3
Estimated world total 5/ .....	477,190	495,640	488,120	485,780	15.6	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production. 7/ Includes data for area formerly known as Spanish Morocco. 8/ Production on European holdings only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.



RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average : 1950-54	1959	1960	Average : 1950-54	1959	1960	Average : 1950-54	1959	1960
North America:									
Canada	1,159	517	543	520	16.6	15.8	18.6	12.1	19,260
United States	1,619	1,443	1,652	1,528	12.8	15.5	19.7	16.9	20,779
Total	2,778	1,960	2,195	2,048	14.4	15.6	19.4	15.7	40,039
Europe:									
Austria	601	538	421	531	27.5	30.5	33.0	34.8	16,508
Belgium	205	162	152	113	43.1	47.3	46.5	—	8,832
Denmark	323	299	388	425	38.2	38.1	46.1	39.8	12,332
Finland	276	255	274	232	24.3	25.1	26.8	25.0	6,694
France	1,104	811	738	652	18.4	22.8	22.3	21.5	20,327
Germany, West	3,427	3,521	3,253	2,908	38.3	43.4	45.9	33.6	131,400
Greece	155	81	71	63	13.7	13.1	15.5	15.4	2,120
Italy	238	167	155	146	21.7	24.8	23.7	25.3	5,160
Luxembourg	14	—	—	—	31.4	—	—	—	439
Netherlands	428	355	375	295	43.6	42.8	48.3	43.7	18,644
Norway	2	3	3	3	30.0	30.3	50.0	40.0	60
Portugal	652	672	664	523	11.1	10.3	8.2	6.0	7,227
Spain	1,526	1,406	1,236	1,198	12.7	15.1	12.3	11.4	19,390
Sweden	312	240	257	185	33.0	34.6	35.2	40.5	10,302
Switzerland	35	31	35	30	41.1	50.8	52.3	50.0	1,438
United Kingdom	59	14	21	21	35.1	37.1	34.3	41.9	2,072
Estimated total Western Europe 5/	9,360	8,570	8,060	7,340	28.1	31.7	33.1	27.9	263,000
Bulgaria	530	224	222	—	16.0	16.1	13.5	—	8,500
Czechoslovakia	1,550	1,300	1,065	—	26.5	29.2	33.1	—	41,100
Germany, East	3,110	2,548	2,548	—	26.8	31.3	30.1	—	83,300
Hungary	1,275	875	744	—	19.4	19.9	18.8	—	24,700
Poland	12,345	12,852	12,680	—	19.0	24.8	24.5	—	235,000
Romania	500	295	242	—	16.6	17.1	16.8	—	8,300
Yugoslavia	—	583	526	494	—	17.9	17.4	17.5	8,500
Estimated total Eastern Europe 5/	19,990	18,710	18,060	18,040	20.5	25.3	25.1	25.2	410,000
Estimated total all Europe 5/	29,350	27,280	26,120	25,380	22.9	27.3	27.6	26.0	673,000
U.S.S.R. (Europe and Asia) 6/	54,000	42,175	40,800	42,000	12.8	14.2	12.7	—	690,000
Asia:									
Turkey	1,410	1,621	1,425	1,475	16.1	12.3	16.5	17.3	22,700
Africa:									
Republic of South Africa	56	—	—	—	6.4	—	—	360	—
South America:									
Argentina	2,222	3,254	1,850	—	11.7	12.8	10.8	—	26,000
Estimated world total 5/	90,130	76,680	72,770	73,770	16.1	18.8	18.3	18.3	1,455,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests, which will begin late in 1961 and early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries, for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. Unofficial estimates for production.

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Supplies in Argentina may well be at the same level as 1960, which was below average. France will again be active as a soft wheat exporter but will continue to import durum type wheat. Spain and Italy, both listed as exporters under the International Wheat Agreement will again be net importers this season. Italy is expected to import at least 37 million bushels and Spain needs about 88 million to supplement the recent small harvest, the second successive poor outturn. The Soviet Union's crop appears somewhat larger than in 1960 and may mean larger exports.

Though total wheat supplies for export this year are ample, there is a shortage of durum. Durum production is below average in most producing countries and is especially short in North Africa, the traditional source for France.

Wheat production in North America is estimated at 1,519 million bushels, 20 percent below the large 1960 total, because of smaller outturns in both the United States and Canada. The U.S. crop reduction was mainly due to lower yields though acreage was also slightly smaller. Yields of 23.5 bushels per harvested acre, however, are second only to the 26.0 bushels per acre last year.

Canada's preliminary forecast of 252 million bushels is the smallest outturn since 1937. Acreage is slightly larger than in 1960 but yields are only half the 1960 yields. Production set a new record in Mexico, the third largest producer of the area. The increase from 46 million last year to 55 million is due to a substantial increase in acreage and higher yields. The average of 26.2 bushels per acre is double the 1950-54 average.

Rye acreage in North America is considerably smaller than last year and also below average. Production of 26 million bushels in the United States is less than in 1960 but is still above average. In Canada, however, the outturn is smaller than last year and is only a third of the 1950-54 average. Acreage is less than half the average and yields are smaller.

Wheat production in Western Europe is estimated 7 percent less than last year but still above average. Largest reductions from 1960 are in France, West Germany, Spain, and the United Kingdom. Smaller acreage was the chief factor in the crop reduction in France, Spain and the United Kingdom; in West Germany, smaller yields were the sole cause of the decrease.

In contrast with those production decreases, Italy's crop was somewhat larger despite reduced acreage. Some increase is also reported for the Scandinavian countries. Rye production is smaller in Western Europe because of reduced acreage and smaller yields.

Available information points to little change from Eastern Europe's 1960 total. This means a total crop well above the 1950-54 average. Larger outturns are indicated for Poland, Rumania and Hungary. Those increases offset a substantial reduction in Yugoslavia's production.

This is an important rye producing area, second only to the Soviet Union in rye production. The outturn this year is estimated to approximate the 1960 total.



Wheat production in the Soviet Union is estimated to be larger than for the past 2 years but below the record 1958 harvest. Increased acreage was an important factor and higher yields are indicated. Best conditions have been reported for the winter wheat regions, especially the Ukraine, the North Caucasus and the Volga regions. Conditions were less favorable in the "New Lands" because of hot, dry weather.

The Soviet Union is the world's ranking rye producer, with production normally accounting for some 45 percent of world rye production. Production this year is estimated to be well above the 1960 crop but still somewhat below average.

Asia's wheat crop is smaller than in 1960 but above average. Reduced acreage accounts for most of the decline. Much of the acreage reduction is estimated for Mainland China, where unfavorable conditions prevented seeding the usual acreage of winter wheat in the fall of 1960. Turkey is another country with a smaller harvest. Acreage shows little change from last year but yields are smaller. India and Japan report record crops. Turkey is the only rye producer of importance in this area and production is slightly larger than last year.

Wheat production in Africa is much below average because of poor outturns in former French North African countries. The African total of 155 million bushels contrasts with 210 million a year ago and the 1950-54 average of 185 million. Algeria's crop is 23 million bushels, less than half the 1960 harvest of 55 million. Morocco's production is also reported at 23 million bushels, compared with 39 million in 1960. Tunisia also had a crop only half the 1960 production. Rye is of minor importance in this area.

South America's wheat and rye crops are in the early-growth stage and conditions up to the end of November will determine the final outturn. Present prospects are for larger harvests of both wheat and rye.

The outlook is good for another large wheat crop in Australia. Acreage is larger and conditions to date suggest an outturn second only to the 273 million bushels harvested last year if growing conditions continue favorable. Rye is of little importance in Australia.



Growth Through Agricultural Progress





UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON 25, D. C.

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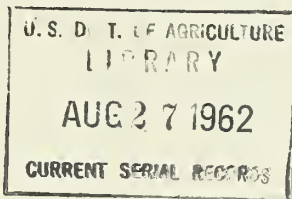
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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 11-61  
October 1961

## JULY 1 GRAIN STOCKS

### AGAIN AT NEW HIGH

The 4 principal grain exporting countries set a new record for mid-year stocks on July 1, 1961, according to preliminary estimates of the Foreign Agricultural Service. Stocks of grain were 10 million short tons above the 1960 record. This is the ninth successive year of record stocks.

An estimated total of 166 million tons of wheat, rye, barley, oats and corn compares with the July 1, 1960 total of 156 million tons. The increase is wholly in U.S. stocks, with the other countries showing slight reductions. In addition to the 5 grains reported, record stocks of grain sorghums in the United States add another 21 million tons to total stocks of this country on July 1. Sorghum has been of little importance in the other exporting countries, but is becoming more significant in Argentina.

Record grain stocks in the United States are due to unprecedented stocks of both wheat and corn on July 1. Corn stocks of 2,809 million bushels are 11 percent above the 1960 record and are almost 4 times the 1945-49 average. The wheat carryover of 1,407 million bushels exceeds the previous high by 7 percent and is 7 times the 1945-49 average.

Though U.S. stocks are up, total U.S. supplies for 1961-62 are slightly less than last year's record, because of smaller production of all 5 grains. Supplies of wheat are 2.62 billion bushels compared with 2.66 billion a year ago. Wheat import demand is expected to be greater in Western Europe this year, with production about 100 million bushels less than in 1960. A smaller outturn in Asia will also increase that area's need. A good part of the increased requirement, however, will be in Mainland China.

U.S. corn supplies for the marketing year beginning October 1 will be about 2 percent below the 1960 record, with a 10-percent reduction in the expected output.



GRAINS: Estimated stocks in principal exporting countries, July 1, 1945-1961

Country and year	Wheat	Rye	Barley	Oats <sup>1/</sup>	Corn	Total
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	1,000 short tons
United States:						
Average 1945-49 .....	193	6	72	254	742	32,526
Average 1950-54 .....	524	8	74	249	1,256	56,872
1955 .....	1,036	16	131	303	1,601	84,349
1956 .....	1,033	17	117	347	1,742	88,602
1957 .....	908	7	127	240	1,968	89,428
1958 .....	881	10	168	325	2,096	94,630
1959 .....	1,295	13	195	368	2,208	111,606
1960 .....	1,314	10	167	267	2,522	118,596
1961 <sup>2/</sup> .....	1,407	14	152	324	2,809	130,086
Canada:						
Average 1945-49 .....	155	4	41	100	3/	7,446
Average 1950-54 .....	345	14	100	135	3/	15,437
1955 .....	570	22	110	110	3/	22,226
1956 .....	620	20	130	150	3/	24,830
1957 .....	765	15	160	260	3/	31,630
1958 .....	675	13	140	190	3/	27,204
1959 .....	580	10	145	150	3/	23,710
1960 .....	565	9	135	125	3/	22,567
1961 <sup>2/</sup> .....	555	8	125	130	3/	22,084
Argentina:						
Average 1945-49 .....	134	11	26	40	187	10,828
Average 1950-54 .....	107	16	21	39	91	7,334
1955 .....	165	10	25	25	85	8,610
1956 .....	130	25	30	35	125	9,380
1957 .....	160	25	30	50	95	9,680
1958 .....	175	16	25	35	190	12,178
1959 .....	160	20	25	30	200	12,040
1960 .....	140	20	22	23	140	9,576
1961 <sup>2/</sup> .....	100	15	21	35	160	8,964
Australia:						
Average 1945-49 .....	75	3/	6	13	3/	2,602
Average 1950-54 .....	110	3/	9	20	3/	3,836
1955 .....	160	3/	6	32	3/	5,456
1956 .....	183	3/	14	50	3/	6,626
1957 .....	115	3/	20	32	3/	4,442
1958 .....	70	3/	14	12	3/	2,628
1959 .....	135	3/	30	75	3/	5,970
1960 .....	145	3/	12	45	3/	5,358
1961 <sup>2/</sup> .....	145	3/	8	50	3/	5,342
Total:						
Average 1945-49 .....	557	21	145	407	929	53,402
Average 1950-54 .....	1,086	38	204	443	1,347	83,479
1955 .....	1,931	48	272	470	1,686	120,641
1956 .....	1,966	62	291	582	1,867	129,438
1957 .....	1,948	47	337	582	2,063	135,180
1958 .....	1,801	39	347	562	2,286	136,640
1959 .....	2,170	43	395	623	2,408	153,326
1960 .....	2,164	39	336	460	2,662	156,097
1961 <sup>2/</sup> .....	2,207	37	306	539	2,969	166,476

<sup>1/</sup> Canadian oats in bushels of 34 pounds; data for other countries in bushels of 32 pounds. <sup>2/</sup> Preliminary estimates. <sup>3/</sup> Production small and remaining stocks believed negligible.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service officers, results of office research, and related information.

Canada's total wheat supplies for 1961-62 are down about 25 percent mainly because of greatly reduced production. Australia's July 1 wheat stocks are about the same as a year ago though supplies at the beginning of the current season were at an alltime high and 70 million bushels above the previous year's supply. Heavy exports up to July 1 wiped out that difference. Stocks remaining on July 1 from Argentina's small 1960 crop were 29 percent less than a year ago.

The minor exporters--France and Spain--have smaller wheat crops than last year. France will again be a competitor for export markets for soft wheat but will continue to import durum or possibly durum substitutes. Spain has had 2 successive poor crops and will have a deficit of about 2.4 million metric tons in 1961-62, compared with last year's deficit of 2.0 million. Italy, also listed as an exporter under the International Wheat Agreement, needs more than a million tons this season despite a substantial increase over last year's small production.

A regional breakdown shows the United States stocks of 130 million short tons of the 5 grains accounting for 78 percent of the total for the four countries on July 1, 1961. Though wheat and corn stocks are the highest recorded, stocks of the other grains have been exceeded a number of times. In addition to the 5 grains treated here, U.S. stocks of grain sorghum were 751 million bushels on July 1, the largest on record for that date. Forecast production of sorghum is 480 million bushels, considerably less than the 608 million produced in 1960. Thus it would seem that supplies for the 1961-62 season starting October 1 may be about the same as the record supplies for 1960-61, with higher stocks offsetting the smaller crop.

Canada's grain stocks on July 1 are estimated at 22 million short tons, the smallest for a number of years but still above average. The reduction from 1960 is in wheat and barley largely because of heavy exports; stocks of oats are slightly higher. Wheat stocks of 555 million bushels added to the crop forecast provide a surplus of about 600 million bushels for export and carryover.

Grain stocks in the 2 Southern Hemisphere exporting countries on July 1 are in a different category from those in North America. In Southern Hemisphere countries these are mid-season supplies which must cover all needs to the end of the current crop season and for carryover. Thus stocks of small grains in Argentina and Australia are for consumption or export up to December 1 and corn to April 1 of the following year, the beginning of the new season. In contrast, July 1 stocks in North America approximate the near-end carryover of small grains. Stocks represent actual carryover into the new season in the United States, while in Canada the marketing season starts August 1. For corn, the U.S. marketing season begins October 1.

Grain stocks in Argentina on July 1 were estimated at 9.0 million tons, the smallest figure since 1955. Most of the reduction is in wheat; stocks of 100 million bushels are well below average. The reduced wheat stocks may be offset by a larger harvest expected in November and December.

Australia's grain stocks, estimated at 5.3 million short tons, are about the same as in July, 1960. Wheat stocks are the same, heavy export sales having reduced the record supplies available for 1961. Another good crop is expected this year and supplies for 1962 will again be ample. Barley stocks are a little smaller than last year but there is a small increase in oats.



Growth Through Agricultural Progress

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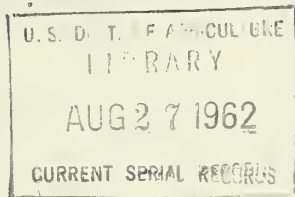
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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 12-61  
November 1961

## WORLD BARLEY AND OATS

### PRODUCTION DOWN



Growth Through Agricultural Progress

World production of barley and oats in 1961 is about 7 percent below the 1960 total but is 5 percent above the 1950-54 average, according to the Foreign Agricultural Service.

Production of these grains for the current season is forecast at 137 million short tons, compared with 148 million last year and the 1950-54 average of 131 million. Smaller crops than in 1960 are estimated for both barley and oats but the larger reduction is in oats. North America and Africa account for most of the barley reduction. North America, Europe, and the Soviet Union are the significant areas of decrease for oats.

The 1961 world barley crop is forecast at 3,370 million bushels, well below the record 1960 crop of 3,500 million. Reductions in the United States and Canada combined to reduce the North American total to 511 million bushels, compared with 643 million in 1960. Sharp reductions in North African countries brought the total for that continent to 65 million bushels, the smallest production since 1945.

World production of oats is tentatively forecast at 3,530 million bushels. This is 11 percent below the 1960 crop and 15 percent below the 1950-54 average. Acreage of oats continued the downward trend of recent years, to reach a new low of 102 million acres. A little more than two-thirds of the reduction was in North America and most of the remaining decrease was equally divided between Europe and the Soviet Union.

North America's harvest of barley and oats in 1961 amounts to about a fourth of the world total. Production of barley, at 511 million bushels, is below average and 21 percent below the good outturn in 1960. Reductions were sizable in both the United States and Canada but were especially marked in Canada, with the 1961 harvest now estimated to be little more than half

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1959	1961	Average 1950-54	1959	1961	Average 1950-54	1959	1961
	1,000	1,000	1,000	Bushels	Bushels	Bushels	1,000	1,000	1,000
	acres	acres	acres				bushels	bushels	bushels
North America:									
Canada	7,916	8,289	7,360	28.9	27.2	28.1	228,400	225,550	207,036
Mexico	573	605	605	13.2	14.0	14.0	7,554	8,450	8,500
United States	10,173	14,918	13,763	27.8	28.3	31.0	283,026	422,383	427,018
Estimated total 5/	18,660	23,810	21,730	27.8	27.6	29.6	519,000	656,000	643,000
Europe:									
Austria	363	441	517	36.6	42.2	52.3	13,288	18,620	27,050
Belgium	213	272	259	58.0	67.3	67.8	12,344	18,300	17,570
Denmark	1,390	1,858	1,940	64.4	57.8	68.8	89,450	107,380	128,600
Finland	358	576	525	30.5	26.4	38.5	10,904	15,230	20,200
France	2,713	4,914	5,161	32.9	46.1	50.9	89,372	226,480	262,500
Germany, West	1,733	2,350	2,421	47.5	55.6	61.1	82,320	130,600	147,900
Greece	522	456	448	20.0	21.9	24.1	10,424	10,000	11,000
Ireland	174	333	328	51.2	63.5	61.9	8,910	21,140	20,300
Italy	619	546	535	21.1	23.4	19.9	13,057	12,300	10,650
Netherlands	183	179	170	60.4	68.9	78.6	11,048	12,370	13,000
Norway	164	358	369	44.8	40.2	51.3	7,350	13,980	18,350
Portugal	380	339	296	14.8	9.0	7.8	5,620	3,040	2,300
Spain	3,903	3,706	3,422	22.8	25.4	20.9	88,830	94,160	71,650
Sweden	352	783	885	42.2	39.0	48.7	14,850	30,520	38,900
Switzerland	53	62	63	48.7	56.1	55.2	2,581	3,480	3,850
United Kingdom	2,051	3,059	3,367	48.9	61.3	58.7	100,326	187,410	197,600
Estimated total Western Europe 5/	15,190	20,250	20,560	36.9	44.7	48.2	561,000	905,000	990,000
Bulgaria	630	661	726	26.8	33.1	31.4	16,900	21,900	22,800
Czechoslovakia	1,556	1,655	1,750	33.5	40.7	45.7	52,100	67,400	80,000
Germany, East	702	875	960	38.2	51.8	57.3	26,800	45,300	55,000
Hungary	1,080	1,336	1,256	27.3	37.6	36.1	29,500	50,200	45,300
Poland	2,072	1,592	1,780	24.3	30.1	32.3	50,400	47,900	57,500
Romania	1,235	715	657	15.8	28.8	28.3	19,500	20,600	18,600
Yugoslavia	--	934	897	--	28.3	27.1	16,600	26,400	24,300
Estimated total Eastern Europe 5/	8,300	7,780	8,050	25.8	36.0	37.9	214,000	280,000	305,000
Estimated total all Europe 5/	23,490	28,030	28,610	33.0	42.3	45.3	775,000	1,185,000	1,295,000
U.S.S.R. (Europe and Asia) 6/	22,500	23,700	30,000	15.6	16.0	17.5	350,000	380,000	525,000



<b>Asia:</b>														
Cyprus .....	135	148	---	---	18.9	20.3	---	---	---	2,547:	3,000:	1,900:	---	---
Iran .....	1,956	---	2,224	---	18.8	---	---	18.7	---	36,798:	45,930:	46,000	---	---
Iraq .....	2,374	2,690	2,564	2,531	14.9	12.4	16.3	14.4	---	35,270:	33,300:	36,900:	41,300	---
Israel .....	175	126	125	74	16.5	23.7	27.0	12.8	---	2,880:	2,985:	1,600	---	---
Lebanon .....	40	30	35	35	19.0	6.2	10.6	5.3	---	760:	185:	185:	370	---
Syria .....	848	---	---	1,038	14.5	---	---	---	---	12,292:	4,600:	5,000:	---	---
Turkey .....	5,540	6,500	6,400	---	23.2	21.5	---	22.2	---	128,380:	140,000:	142,000	---	---
China .....	---	---	---	---	---	---	---	---	---	325,000:	---	---	---	---
India .....	8,020	8,243	8,345	7,916	14.7	15.1	16.1	15.0	---	118,280:	124,700:	124,800:	127,600	---
Pakistan .....	557	540	546	536	11.3	12.0	11.8	13.4	---	6,300:	6,500:	7,300:	6,300	---
Japan .....	2,400	2,206	2,071	1,710	37.7	43.6	48.5	46.2	---	90,439:	96,200:	95,625:	82,970	---
Korea, South .....	1,644	1,927	1,958	---	18.5	22.7	---	22.6	---	30,440:	43,800:	44,200:	---	---
Estimated total 5/ .....	41,110	43,180	43,850	43,960	19.7	19.0	18.8	18.7	---	810,000:	820,000:	820,000:	825,000	---
<b>Africa:</b>														
Algeria .....	3,102	2,693	2,895	---	12.1	11.0	---	14.0	---	37,494:	29,500:	40,500:	---	---
Egypt .....	128	147	154	169	38.9	44.2	46.4	46.4	---	4,976:	6,500:	7,140:	7,850	---
Morocco 7/ .....	5,270	4,255	4,333	---	14.6	11.8	---	12.0	---	77,000:	50,355:	52,200:	---	---
Tunisia .....	1,295	1,875	1,700	---	6.9	5.8	---	3.9	---	8,920:	10,800:	6,700:	---	---
Republic of South Africa .....	135	---	---	---	17.4	---	---	---	---	2,350:	1,100:	---	---	---
Estimated total 5/ .....	11,520	11,080	11,250	8,520	13.0	10.8	7.6	11.6	---	150,000:	120,000:	130,000:	65,000	---
<b>South America:</b>														
Argentina .....	1,587	2,241	1,785	---	24.8	22.9	---	19.9	---	39,320:	51,300:	35,500:	---	---
Chile .....	136	171	166	---	31.7	34.3	---	32.5	---	4,316:	5,860:	5,400:	---	---
Colombia .....	122	138	138	---	22.5	33.6	---	35.3	---	2,740:	4,640:	4,870:	---	---
Ecuador .....	248	315	304	---	12.2	13.4	---	13.0	---	3,030:	4,220:	3,940:	---	---
Peru .....	465	445	457	---	21.5	20.8	---	21.6	---	9,980:	9,260:	9,850:	---	---
Uruguay .....	81	109	165	---	16.6	12.4	---	13.6	---	1,344:	1,350:	2,250:	---	---
Estimated total 5/ .....	2,830	3,680	3,270	3,370	23.0	21.7	22.3	19.9	---	65,000:	80,000:	65,000:	75,000	---
<b>Oceania:</b>														
Australia .....	1,412	2,400	2,800	---	22.2	14.8	---	24.0	---	31,350:	35,500:	67,200:	---	---
New Zealand .....	53	62	62	63	45.1	53.2	---	54.8	---	2,388:	3,300:	3,400:	---	---
Total Oceania .....	1,465	2,462	2,862	2,913	23.0	15.8	23.5	24.7	---	33,738:	38,800:	70,600:	68,500	---
Estimated world total 5/ .....	121,580	135,940	141,570	137,540	22.2	24.1	24.5	25.1	---	2,700,000:	3,280,000:	3,550,000:	3,370,000	---

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and end early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production, are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production. 7/ Includes data for area formerly known as Spanish Morocco.

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OATS: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
North America:									
Canada 5/	10,813	11,391	11,147	11,583	38.6	36.7	40.9	28.3	417,429
Mexico	206	235	272	--	18.2	17.9	22.1	--	3,799
United States	37,928	27,793	26,554	24,320	33.9	37.8	43.3	40.9	1,285,417
Estimated total 6/	48,950	39,420	37,970	36,160	34.9	37.4	42.5	36.7	1,707,000
Europe:									
Austria	539	403	397	378	44.8	53.2	59.4	57.7	24,156
Belgium	405	351	347	331	80.2	82.9	89.3	87.0	32,462
Denmark	647	504	439	472	90.8	77.6	95.9	89.2	58,740
Finland	1,143	1,139	1,212	1,169	47.1	42.1	63.0	57.5	53,801
France	5,596	3,715	3,526	3,543	43.3	52.2	53.4	49.8	242,298
Germany, West	2,681	2,005	1,847	1,794	67.3	70.1	81.2	71.0	180,322
Greece	365	319	315	323	26.2	30.1	32.4	32.5	9,558
Ireland	613	462	425	410	63.2	72.0	68.9	69.8	38,744
Italy	1,140	1,017	1,010	1,055	32.9	36.6	29.4	36.3	37,516
Luxembourg	52	--	40	--	50.0	--	75.0	--	2,602
Netherlands	368	309	282	305	87.5	71.2	94.4	91.8	32,210
Norway	187	160	161	162	62.7	50.6	73.9	74.1	11,726
Portugal	774	751	747	693	12.2	8.1	5.7	6.1	9,424
Spain	1,520	1,396	1,379	1,359	23.2	27.6	21.5	23.8	35,306
Sweden	1,215	1,325	1,378	1,404	47.8	40.9	58.8	61.4	58,124
Switzerland	64	39	35	37	77.3	85.1	86.3	82.4	4,946
United Kingdom	2,854	2,032	1,974	1,737	65.4	75.3	73.0	72.5	186,774
Estimated total Western Europe 6/	20,160	15,970	15,560	15,220	50.6	52.6	57.2	54.9	1,020,000
Europe:									
Bulgaria	397	446	447	--	27.7	32.1	30.6	--	11,000
Czechoslovakia	1,380	1,250	1,245	--	44.2	52.0	56.2	--	61,000
Germany, East	1,352	1,013	890	--	56.7	62.4	73.0	--	76,600
Hungary	355	420	350	--	31.0	41.9	40.0	--	11,000
Poland	4,130	4,200	4,055	--	35.8	41.0	46.9	--	148,000
Romania	1,175	741	670	--	22.9	29.3	29.2	--	26,900
Yugoslavia	--	835	825	815	--	33.3	31.2	33.7	19,420
Estimated total Eastern Europe 6/	9,730	8,950	8,530	8,390	36.5	43.0	46.9	47.1	355,000
Estimated total all Europe 6/	29,890	24,920	24,090	23,610	46.0	49.2	53.5	52.1	1,375,000
Estimated total all Europe 6/	29,890	24,920	24,090	23,610	46.0	49.2	53.5	52.1	1,375,000
Estimated total all Europe 6/	29,890	24,920	24,090	23,610	46.0	49.2	53.5	52.1	1,375,000

U.S.S.R. (Europe and Asia) 7/	40,000	35,400	31,500	--	20.9	21.2	23.8	--	835,000	750,000	750,000	--
Asia:												
Syria .....	22	15	10	--	24.3	20.0	20.0	--	535	300	200	--
Turkey .....	808	900	976	--	30.9	30.6	35.3	32.7	24,958	27,500	34,500	31,000
China .....	--	--	--	--	--	--	--	--	70,000	--	--	--
Japan .....	208	193	195	--	202	61.9	56.8	59.2	9,910	11,950	11,080	11,950
Estimated total 6/	4,400	4,680	4,850	4,930	25.0	22.4	22.7	21.3	110,000	105,000	110,000	105,000
Africa:												
Algeria .....	428	144	165	--	20.9	14.6	20.6	--	8,940	2,100	3,400	--
Morocco 8/	145	55	50	--	28.3	15.5	21.0	--	4,103	850	1,050	--
Tunisia .....	59	--	--	--	18.2	--	--	--	1,074	--	--	--
Republic of South Africa .....	365	--	--	--	15.9	--	--	--	5,800	9,000	--	--
Estimated total 6/	1,040	830	820	810	20.2	18.1	18.3	18.5	21,000	15,000	15,000	15,000
South America:												
Argentina .....	1,655	1,971	1,893	--	34.0	34.3	30.7	--	56,284	67,700	58,100	--
Chile .....	238	273	302	--	28.6	28.7	30.1	--	6,800	7,840	9,100	--
Uruguay .....	145	97	198	--	19.4	15.5	22.2	--	2,816	1,500	4,400	--
Estimated total 6/	2,090	2,430	2,480	2,350	32.1	32.9	30.2	31.9	67,000	80,000	75,000	75,000
Oceania:												
Australia .....	2,325	3,000	3,500	--	18.2	19.5	26.4	--	42,252	58,500	92,500	--
New Zealand .....	37	34	39	40	62.4	67.1	65.0	--	2,308	2,280	2,535	--
Total Oceania .....	2,362	3,034	3,539	3,440	18.9	20.0	26.9	25.5	44,560	60,780	95,035	87,600
Estimated world total 6/	128,730	110,710	105,250	102,300	32.3	33.5	37.5	34.5	4,160,000	3,710,000	3,950,000	3,530,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and end early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Unofficial estimates for production. 8/ Includes data for area formerly known as Spanish Morocco.

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the 1950-54 average. The U.S. outturn, in contrast, was well above average, but smaller acreage and yields combined to reduce production 11 percent, compared with 1960.

Oats production in North America in 1961 is estimated at 1,327 million bushels compared with 1,613 million in 1960 and the 1950-54 average of 1,707 million. The U.S. crop of 994 million bushels is well below the 1,151 million reported last year and much below the average of 1,285 million for 1950-54. Acreage was cut more than 2 million acres and yields were less than the near-record 1960 yields. Canada's production of 328 million bushels was below average and considerably below the good 1960 crop, despite increased acreage. Yields were 31 percent below the 1960 yields.

Western Europe's production of these grains is slightly below the 1960 total, with a small increase in barley more than offset by a reduced outturn of oats. A total of 995 million bushels of barley is forecast for this year. Reductions in France and West Germany are offset by increases in the United Kingdom and Sweden. Production of oats, at 835 million bushels, is somewhat less than in 1960 mainly because of lower yields in France and West Germany and reduced acreage in the United Kingdom.

Little change is estimated for total production of these crops in Eastern Europe. A slight increase in barley is offset by a reduction in oats.

The Soviet Union reports some reduction in acreage of both barley and oats this year. For oats this is a continuation of a sharp downward trend for a number of years. Barley acreage, though less than the large 1960 acreage, is still well above average. Little change from last year's barley crop is estimated but oats production is indicated to be smaller than last year because of lower yields as well as reduced acreage.

Production in Asia is estimated to be about the same as in 1960. A slight increase in barley production is offset by a reduced outturn of oats.

Africa's outturn of barley was sharply cut this year. Harvested acreage was much smaller and yields were greatly reduced by a disastrous drought in important producing countries of Northern Africa.

It is early in the season for firm indications of Southern Hemisphere prospects. Based on preliminary information South America's barley crop may be moderately above the 1960 total mainly because of an expected increase in Argentina. Little change is expected in the production of oats in South America.

Australia's prospects are for slightly smaller outturns than the record harvest last year.





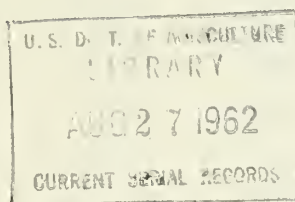
United States Department of Agriculture  
Washington 25, D. C.  
Official Business

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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 13-61  
November 1961

## U.S. GRAIN PRODUCTS GO TO

## NEARLY ALL THE WORLD

Overshadowed by the huge quantities of feed grains--corn, oats, barley, and sorghum grain--exported annually from the United States <sup>1/</sup> comparatively small, but nevertheless important quantities of U.S. grain products are shipped to nearly all the world each year.

In 1960-61, shipments of grain products were 478,000 metric tons--up slightly from the 473,000 exported the previous fiscal year. Products exported consisted of cornmeal, hominy and grits, cornstarch, oatmeal and barley malt. Cornmeal figured prominently in the Food-for-Peace program--about 90 percent of the quantity exported was shipped as part of U.S. Government relief programs.

Corn products.--Cornmeal, hominy and grits, and cornstarch exports of over 380,000 tons were up 8 percent from about 360,000 shipped in 1959-60. Cornmeal shipments of 323,000 tons accounted for 85 percent of total corn products exported. Not all of this, however, was for cash sales; about 295,000 tons was part of government relief shipments to needy countries. In 1959-60, cornmeal shipments were 286,000 tons--more than 250,000 going for relief purposes.

Other corn products exported in 1960-61 consisted of 26,000 tons of hominy and grits compared to 29,000 the previous year and 34,000 tons of cornstarch against last year's exports of 45,000. Largest markets for cornmeal cash sales were Canada, the Netherlands Antilles, and the Congo Republic. Hominy and grits found best markets in Canada and Venezuela

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<sup>1/</sup> See Foreign Crops and Markets, August 14, 1961.



COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61

Country of destination	Corn and products								Total
	Corn except seed	Corn seed: except sweet	Corn for relief	Corn meal	Hominy and grite	Corn starch	Corn meal: for relief		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons		
North and Central America and Caribbean:									
Canada .....	806,041:	739:	--	10,728:	12,305:	9,314:	--	839,127	
Mexico .....	37,115:	791:	7,737:	415:	537:	528:	5,722:	52,845	
British Honduras .....	464:	--	--	--	--	8:	--	472	
Canal Zone .....	--	--	--	25:	131:	1:	--	157	
Costa Rica .....	5:	--	11:	--	--	681:	--	697	
El Salvador .....	15:	--	--	22:	--	32:	--	69	
Guatemala .....	114:	--	278:	103:	--	199:	417:	1,111	
Honduras .....	13:	--	--	--	1,332:	57:	365:	1,767	
Nicaragua .....	6:	--	401:	308:	--	15:	511:	1,241	
Panama .....	7,726:	--	--	143:	920:	1,159:	--	9,948	
Bahamas .....	1,625:	1:	--	208:	2,024:	144:	--	4,002	
Barbadoe .....	25:	--	--	521:	--	--	--	546	
Bermuda .....	12:	2:	--	11:	--	60:	--	85	
Cuba .....	13,762:	--	--	362:	57:	1,517:	665:	16,363	
Dominican Republic .....	--	--	--	370:	490:	61:	--	921	
French West Indies .....	112:	--	--	83:	--	--	289:	484	
Haiti .....	41:	--	--	--	--	128:	3,924:	4,093	
Jamaica .....	6,081:	--	--	600:	105:	974:	2,315:	10,075	
Leeward and Windward Islands .....	850:	--	--	191:	--	3:	196:	1,240	
Netherlands Antilles .....	1,203:	55:	--	6,472:	--	45:	--	7,775	
Trinidad and Tobago .....	2,087:	--	--	242:	--	233:	19:	2,581	
Total .....	877,297:	1,588:	8,427:	20,804:	17,901:	15,159:	14,423:	955,599	
South America:									
Argentina .....	12:	17:	--	--	--	17:	--	46	
Bolivia .....	--	--	--	--	--	7:	356:	363	
Brazil .....	--	--	--	--	--	267:	3,882:	4,149	
British Guinea .....	49:	--	--	10:	45:	--	--	104	
Chile .....	15,777:	10:	--	--	--	11:	13,686:	29,484	
Colombia .....	23,606:	13:	--	--	--	452:	7,503:	31,574	
Ecuador .....	11:	--	--	--	--	606:	--	617	
Paraguay .....	--	--	--	--	--	--	3,868:	3,868	
Peru .....	15,163:	--	--	36:	--	1,652:	12,088:	28,939	
Surinam .....	278:	--	--	88:	--	1:	--	367	
Venezuela .....	486:	17:	--	57:	6,461:	448:	--	7,469	
Uruguay .....	16:	13:	--	--	--	41:	660:	730	
Others .....	--	--	--	--	--	--	--	--	
Total .....	55,398:	70:	--	191:	6,506:	3,502:	42,043:	107,710	
Western Europe:									
Austria .....	194,037:	--	--	--	--	--	1,378:	195,415	
France .....	4,406:	610:	--	--	116:	2:	30:	5,164	
Belgium-Luxembourg .....	466,772:	560:	--	--	528:	425:	--	468,285	
Denmark .....	17,640:	3:	--	--	--	1:	--	17,644	
Finland .....	12:	--	--	--	--	28:	--	40	
Germany, West .....	353,298:	1,767:	--	14:	--	46:	75:	355,200	
Greece .....	105,627:	3:	--	--	--	13:	11,851:	117,494	
Iceland .....	215:	--	--	586:	--	4:	--	805	
Ireland .....	104,440:	--	--	--	--	2:	--	104,442	
Italy .....	106,639:	332:	--	110:	--	20:	14,280:	121,381	
Netherlands .....	1,091,080:	139:	--	986:	175:	2:	--	1,092,382	
Norway .....	44,759:	--	--	--	--	1,067:	--	45,826	
Portugal .....	--	23:	--	731:	--	--	2,330:	3,084	
Spain .....	233,435:	292:	--	--	--	--	5,200:	238,927	
Sweden .....	6,911:	52:	--	80:	851:	762:	--	8,656	
Switzerland .....	8,298:	1:	--	--	--	349:	--	8,648	
United Kingdom .....	1,893,076:	36:	--	81:	25:	9,620:	--	1,902,838	
Malta .....	2:	--	--	--	--	--	--	2	
Trieste .....	20,320:	--	--	--	--	--	18:	20,338	
Total .....	4,650,967:	3,818:	--	2,588:	1,695:	12,341:	35,162:	4,706,571	
Eastern Europe:									
Czechoslovakia .....	--	10:	--	--	--	--	--	10	
Hungary .....	--	2:	--	--	--	--	--	2	
Poland .....	60,412:	--	--	--	--	--	2,876:	63,288	
Rumania .....	--	44:	--	--	--	--	--	44	
Yugoslavia .....	--	643:	--	--	--	--	13:	656	
Bulgaria .....	--	4:	--	--	--	--	--	4	
U.S.S.R. ....	--	--	--	--	--	--	--	--	
Total .....	60,412:	703:	--	--	--	--	2,889:	64,004	
Total all Europe .....	4,711,379:	4,521:	--	2,588:	1,695:	12,341:	38,051:	4,770,575	

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61

Oats and products				Barley and products				Grand total		Country of destination
Oats	Oatmeal		Total	Barley	Malt	Total	Grain sorghums	all grains & products		
	Bulk	Packaged								
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons		
									North and Central America and Caribbean:	
72:	--	123:	195:	28,508:	74:	28,582:	15,754:	883,658:	Canada	
1,226:	7,053:	1,336:	9,615:	41,090:	2,441:	43,531:	27,306:	133,297:	Mexico	
--	--	95:	95:	--	43:	43:	--	610:	British Honduras	
--	20:	46:	66:	--	--	--	--	223:	Canal Zone	
--	77:	1,293:	1,370:	--	1,126:	1,126:	9:	3,202:	Costa Rica	
--	--	273:	273:	50:	1,380:	1,430:	--	1,772:	El Salvador	
--	696:	530:	1,226:	--	1,108:	1,108:	--	3,445:	Guatemala	
--	11:	1,191:	1,202:	--	2,278:	2,278:	--	5,247:	Honduras	
--	--	835:	835:	--	438:	438:	--	2,514:	Nicaragua	
104:	198:	1,488:	1,790:	--	1,478:	1,478:	--	13,216:	Panama	
4:	29:	94:	127:	3:	--	3:	--	4,132:	Bahamas	
177:	--	--	177:	--	109:	109:	146:	978:	Barbados	
--	--	14:	14:	--	--	--	--	99:	Bermuda	
509:	--	249:	758:	--	4,868:	4,868:	401:	22,390:	Cuba	
140:	90:	526:	756:	--	610:	610:	--	2,287:	Dominican Republic	
--	--	2:	2:	--	--	--	--	486:	French West Indies	
--	--	93:	93:	--	--	--	14:	4,200:	Haiti	
57:	22:	145:	224:	--	137:	137:	2,328:	12,764:	Jamaica	
--	--	--	--	--	--	--	--	1,240:	Leeward and Windward Is.	
163:	15:	397:	575:	--	7:	7:	--	8,357:	Netherlands Antilles	
238:	--	8:	246:	37:	16:	53:	2,575:	5,455:	Trinidad and Tobago	
2,690:	8,211:	8,738:	19,639:	69,688:	16,113:	85,801:	48,533:	1,109,572:	Total	
									South America:	
--	--	--	--	--	132:	132:	550:	728:	Argentina	
--	--	67:	67:	--	60:	60:	--	490:	Bolivia	
--	--	--	--	--	581:	581:	--	4,730:	Brazil	
27:	12:	37:	76:	--	377:	377:	47:	604:	British Guinea	
--	14:	48:	62:	--	--	--	--	29,546:	Chile	
67:	4,297:	--	4,364:	--	1,917:	1,917:	5,180:	43,035:	Colombia	
--	--	110:	110:	--	529:	529:	--	1,256:	Ecuador	
--	--	--	--	--	--	--	--	3,868:	Paraguay	
--	11:	629:	640:	950:	1,366:	2,316:	1:	31,896:	Peru	
14:	25:	135:	174:	--	--	--	13:	554:	Surinam	
463:	2,306:	9,536:	12,305:	43:	33,461:	33,504:	--	53,278:	Venezuela	
--	--	--	--	--	--	--	--	730:	Uruguay	
--	--	5:	5:	--	--	--	--	5:	Others	
571:	6,665:	10,567:	17,803:	993:	38,423:	39,416:	5,791:	170,720:	Total	
									Western Europe:	
3,476:	--	--	3,476:	44,400:	--	44,400:	11,081:	254,372:	Austria	
--	--	--	--	--	--	--	1,130:	6,294:	France	
35,206:	--	--	35,206:	93,653:	--	93,653:	411,286:	1,008,430:	Belgium-Luxembourg	
1,267:	--	1:	1,268:	72,891:	--	72,891:	49,503:	141,306:	Denmark	
--	--	--	--	--	--	--	--	40:	Finland	
27,257:	--	--	27,257:	204,465:	--	204,465:	71,275:	658,197:	Germany, West	
--	--	29:	29:	51,691:	--	51,691:	4,399:	173,613:	Greece	
14:	--	--	14:	5,343:	--	5,343:	--	6,162:	Iceland	
--	--	--	--	1,524:	--	1,524:	--	105,966:	Ireland	
7,875:	--	--	7,875:	58,000:	--	58,000:	17,503:	204,759:	Italy	
280,090:	14:	--	280,104:	232,802:	--	232,802:	704,962:	2,310,250:	Netherlands	
--	--	--	--	508:	--	508:	43,966:	90,300:	Norway	
--	--	--	--	--	62:	62:	--	3,146:	Portugal	
--	--	--	--	202,143:	--	202,143:	238:	441,308:	Spain	
1,040:	--	--	1,040:	2,754:	--	2,754:	6,724:	19,174:	Sweden	
28,906:	--	--	28,906:	36,309:	--	36,309:	10,591:	84,454:	Switzerland	
--	--	--	--	6,292:	--	6,292:	293,900:	2,203,030:	United Kingdom	
--	--	--	--	3,437:	--	3,467:	--	3,469:	Malta	
--	--	--	--	--	--	--	--	20,338:	Trieste	
385,131:	14:	30:	385,175:	1,016,242:	62:	1,016,304:	1,626,558:	7,734,608:	Total	
									Eastern Europe:	
--	--	--	--	--	--	--	--	10:	Czechoslovakia	
--	--	--	--	--	--	--	--	5:	Hungary	
--	--	--	--	246,062:	--	246,062:	97,359:	406,677:	Poland	
--	--	--	--	--	--	--	--	44:	Rumania	
--	--	--	--	--	--	--	194:	850:	Yugoslavia	
--	--	--	--	--	--	--	--	4:	Bulgaria	
--	--	--	--	6:	--	6:	--	6:	U.S.S.R.	
--	--	--	--	246,068:	--	246,068:	97,556:	407,628:	Total	
385,131:	14:	30:	385,175:	1,262,310:	62:	1,262,372:	1,724,114:	8,142,236:	Total all Europe	



COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61 (Continued)

Country of destination	Corn and products								Total
	Corn except seed	Corn seed except sweet	Corn for relief	Corn meal	Hominy and grits	Corn starch	Corn meal for relief		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons		
Africa:									
Algeria .....	--	--	--	--	--	--	3,943:	3,943	
Egypt .....	39,775:	--	--	--	--	6:	42,412:	82,193	
Libya .....	--	1:	--	--	--	2:	--	3	
Madeira Islands .....	--	--	--	121:	--	--	--	121	
Morocco .....	--	--	--	--	--	15:	--	15	
Portuguese West Africa .....	--	--	--	7:	--	--	--	7	
Tunisia .....	14,895:	--	--	--	--	--	141:	15,036	
Ethiopia .....	20:	--	--	13:	--	1:	--	34	
Angola .....	--	--	--	9:	--	--	31:	40	
Congo Republic .....	500:	--	--	4,529:	--	27:	3,969:	9,025	
British East Africa .....	9,200:	--	--	--	--	--	--	9,200	
British West Africa .....	--	--	--	--	--	--	261:	261	
Ghana .....	91:	--	--	--	--	--	1,034:	1,125	
Liberia .....	16:	--	--	188:	16:	52:	1,252:	1,524	
Nigeria and Cameroon .....	84:	--	--	4:	--	--	690:	778	
Mozambique .....	--	--	--	8:	--	--	--	8	
South Africa Republic .....	--	--	--	--	--	--	--	--	
Canary Islands .....	39,266:	--	--	133:	--	1:	--	39,400	
French Somaliland .....	2:	1:	--	--	--	--	--	3	
Other West Africa .....	1,508:	--	--	--	--	--	7,208:	8,716	
Others .....	--	--	--	11:	--	7:	368:	386	
Total .....	105,357:	2:	--	5,023:	16:	111:	61,309:	171,818	
Asia:									
Aden .....	20:	--	--	--	--	--	80:	100	
Arabian Peninsula .....	18:	--	--	--	--	--	--	18	
Bahrein .....	81:	--	--	--	63:	--	--	144	
Iran .....	9,893:	5:	714:	54:	--	105:	--	10,771	
Iraq .....	74:	5:	--	--	--	--	--	79	
Israel .....	113,274:	157:	88:	--	--	512:	12:	114,043	
Jordan .....	75:	--	--	--	--	--	--	75	
Kuwait .....	223:	--	--	8:	--	--	--	231	
Lebanon .....	3,650:	--	--	16:	--	32:	--	3,698	
Saudi Arabia .....	12:	--	--	78:	--	18:	--	108	
Syria .....	7,983:	--	5,000:	--	--	--	--	12,983	
Afghanistan .....	--	--	--	--	--	2:	--	2	
Ceylon .....	--	--	--	--	--	209:	--	209	
Taiwan .....	500:	--	342:	--	--	11:	11,681:	12,534	
Hong Kong .....	613:	3:	--	41:	--	107:	2,551:	3,315	
India .....	98,768:	--	1,840:	12:	--	51:	11,178:	111,849	
Indonesia .....	--	--	69:	3:	--	29:	--	101	
Japan .....	607,175:	61:	--	--	--	75:	193:	607,504	
Korean Republic .....	4,999:	--	--	--	--	931:	78,677:	84,607	
Malaya and Singapore .....	241:	2:	--	--	--	--	1,225:	1,468	
Pakistan .....	2:	--	1,222:	--	--	--	1,086:	2,310	
Philippines .....	28:	--	--	5:	--	7:	17,005:	17,045	
Thailand .....	13:	--	--	--	--	--	--	13	
Vietnam .....	--	--	90:	--	--	--	11,330:	11,420	
Cambodia and Laos .....	--	--	--	--	--	--	64:	64	
Nansei Islands .....	5:	--	--	--	--	212:	3,538:	3,755	
Others .....	--	--	--	--	--	--	--	--	
Total .....	847,647:	233:	9,365:	217:	63:	2,301:	138,620:	998,446	
Oceania:									
Australia .....	--	--	--	--	--	197:	--	197	
New Zealand .....	3:	9:	--	--	--	45:	--	57	
French Pacific Islands .....	17:	--	--	--	--	4:	--	4	
Total .....	20:	9:	--	--	--	246:	--	275	
World total .....	6,597,096:	6,423:	17,792:	28,823:	26,181:	33,661:	294,446:	7,004,423	
Equivalent, 1,000 bushels .....	259,714:	253:	700:	1,135:	1,031:	1,325:	11,592:	275,750	



COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61 (Continued)

Oats and products				Barley and products				Grain	Grand total	Country of destination
Oats	Oatmeal		Total	Barley	Malt	Total		sorghums	all grains & products	
	Bulk	Packaged								
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons		Metric tons	Metric tons	
--	--	--	--	--	--	--	--	--	--	Africa:
--	--	--	--	--	--	--	--	--	3,943	Algeria
--	--	--	--	--	--	--	--	--	82,193	Egypt
--	--	--	--	44,114	--	44,114	--	--	44,117	Libya
--	--	--	--	--	--	--	--	--	121	Madeira Islands
--	--	--	--	21,293	--	21,293	--	--	21,308	Morocco
--	--	--	--	--	--	--	--	--	7	Portuguese West Africa
--	--	--	--	2,000	--	2,000	--	9,997	27,033	Tunisia
--	--	75	75	--	--	--	--	9,997	10,106	Ethiopia
--	--	21	21	--	855	855	--	--	916	Angola
--	--	37	37	--	3,075	3,075	--	--	12,137	Congo Republic
--	--	21	21	--	--	--	--	--	9,221	British East Africa
--	--	--	--	--	--	--	--	--	261	British West Africa
--	--	--	--	--	--	--	--	--	1,125	Ghana
--	16	147	163	--	--	--	--	--	1,687	Liberia
--	144	--	144	--	--	--	--	--	922	Nigeria and Cameroon
--	--	--	--	--	--	--	--	--	8	Mozambique
--	--	5	5	--	71	71	--	94	170	South Africa Republic
--	--	--	--	--	--	--	--	--	39,400	Canary Islands
--	--	--	--	--	--	--	--	--	3	French Somaliland
--	--	--	--	--	--	--	--	1,986	10,702	Other West Africa
--	--	12	12	--	--	--	--	--	398	Others
--	160	318	478	64,407	4,001	71,408	--	22,074	265,778	Total
--	--	--	--	--	--	--	--	--	--	Asia:
--	--	--	--	391	--	391	--	--	100	Aden
--	--	--	--	328	--	328	--	--	409	Arabian Peninsula
--	--	58	58	38,500	--	38,400	--	--	472	Bahrain
--	--	--	--	--	--	--	--	--	49,329	Iran
--	--	--	--	--	--	--	--	--	79	Iraq
--	--	--	--	43,132	--	43,132	184,610	--	341,785	Israel
--	--	--	--	10,070	--	10,070	--	--	10,145	Jordan
--	--	3	3	5,501	--	5,501	--	--	5,735	Kuwait
--	--	23	23	29,875	--	29,875	--	--	33,596	Lebanon
--	--	18	18	12,723	185	12,908	--	--	13,034	Saudi Arabia
--	--	--	--	63,384	--	63,384	11,999	--	88,366	Syria
--	--	--	--	--	--	--	--	--	2	Afghanistan
--	--	--	--	--	--	--	--	--	209	Ceylon
--	--	--	--	19,202	--	19,202	--	--	31,736	Taiwan
--	--	--	--	--	--	--	--	--	3,315	Hong Kong
--	--	5	5	--	--	--	--	53,246	165,100	India
--	--	103	103	--	--	--	--	--	204	Indonesia
--	--	16	16	--	--	--	143,865	--	751,385	Japan
--	--	--	--	181,382	--	181,382	--	--	265,989	Korean Republic
--	--	75	75	--	--	--	--	20	1,563	Malaya and Singapore
--	--	6	6	--	--	--	--	--	2,316	Pakistan
119	491	481	1,091	2,411	--	2,411	--	124	20,671	Philippines
--	--	--	--	--	--	--	--	--	13	Thailand
--	--	5	5	--	--	--	--	--	11,425	Vietnam
--	--	5	5	--	--	--	--	--	69	Cambodia and Laos
--	--	5	5	--	--	--	--	--	3,760	Nansei Islands
--	--	4	4	--	--	--	--	--	4	Others
119	491	807	1,417	406,899	185	407,084	393,864	--	1,800,811	Total
--	--	--	--	--	--	--	--	--	--	Oceania:
--	--	20	20	--	--	--	--	--	217	Australia
--	--	--	--	--	--	--	--	--	57	New Zealand
--	--	2	2	--	--	--	--	--	23	French Pacific Islands
--	--	22	22	--	--	--	--	--	297	Total
388,512	15,541	20,482	424,534	1,807,297	58,784	1,866,081	2,194,376	11,489,414	--	World total
26,766	1,070	1,411	29,247	83,008	2,700	85,708	86,388	--	--	=Equivalent, 1,000 bushels

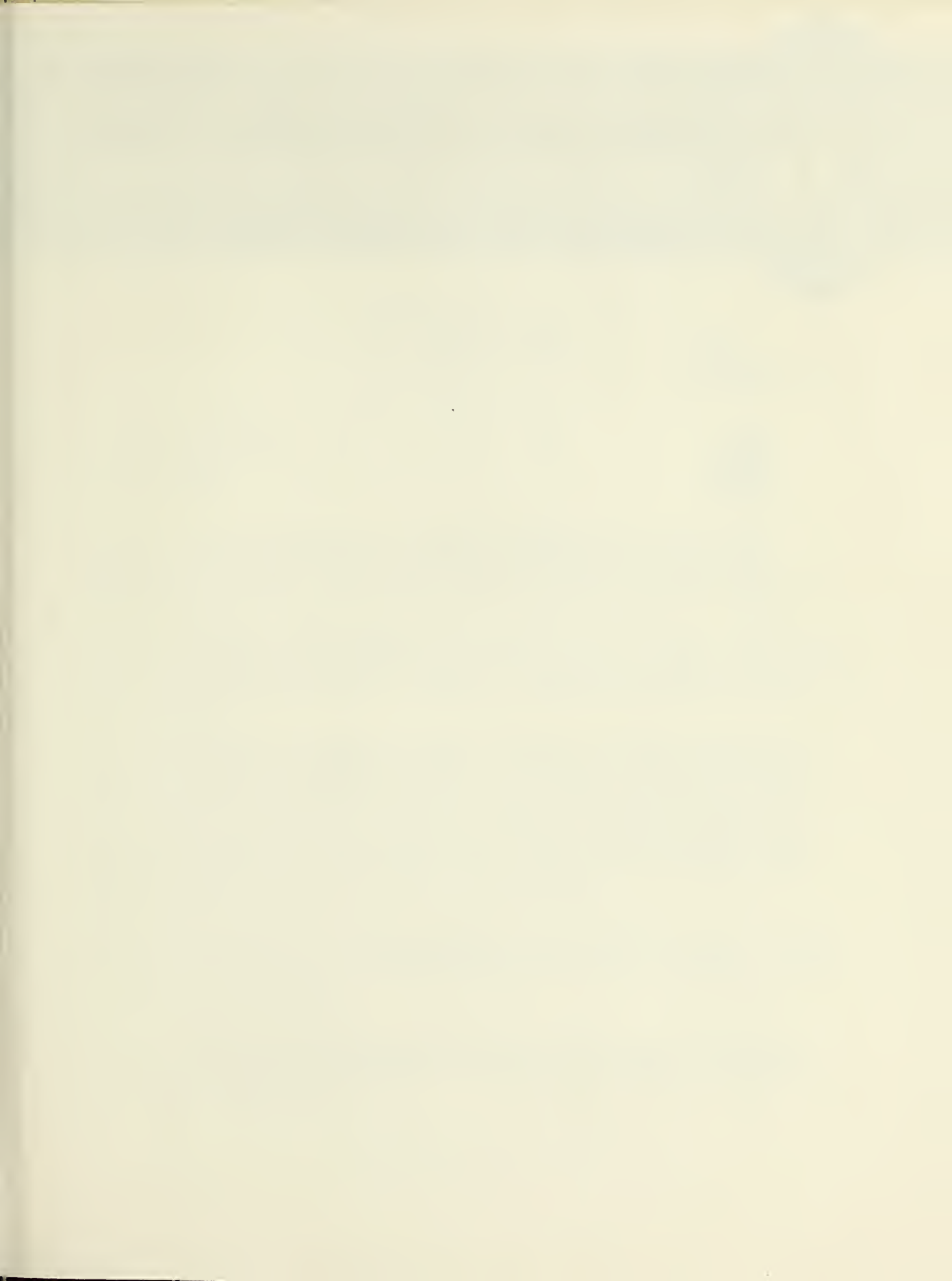
and most cornstarch exports went to Canada and the United Kingdom. Relief shipments of cornmeal went mostly to Chile, Peru, Italy, Greece, Spain, Egypt, Korea, India, Formosa (Taiwan), and Thailand.

Oatmeal.--U.S. exports of oatmeal (bulk and packaged) were about 36,000 tons in 1960-61--up 27 percent from the 28,000 tons shipped in 1959-60. Best markets were in Latin America, namely Venezuela, Mexico, and Colombia.

Barley malt.--About 59,000 tons of barley malt were exported in 1960-61--down 31 percent from last year's shipments of 85,000 tons. Venezuela was the market for 50 percent of the total U.S. barley malt exported in 1960-61. Other markets were Cuba and the Congo Republic which received a total of about 8,000 tons.



Growth Through Agricultural Progress





UNITED STATES DEPARTMENT OF AGRICULTURE  
Washington 25, D. C.

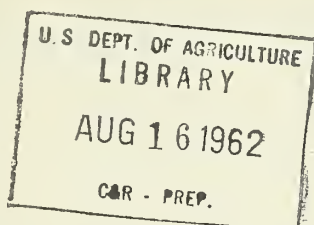
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# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 14-61  
December 1961

## SMALLER WORLD CORN

## CROP FORECAST



Growth Through Agricultural Progress

World corn production in 1961-62 will be somewhat below the record 1960-61 outturn, according to preliminary forecasts by the Foreign Agricultural Service. The outlook is for a total of slightly over 7.0 billion bushels of dried corn, compared with 7.5 billion last season.

This is the first time estimates have covered corn for grain only; the series has been revised to conform with the new U.S. practice of reporting only corn harvested as grain. Former U.S. estimates covered corn for all purposes.

Smaller harvests in the United States and Eastern Europe account for most of the reduction from last year's record crop. Even with reduced outturn, the U.S. produced more than half the total world production. A record carryover in this country on October 1 maintains supplies for 1961-62 at a high level, only 2 percent below the record supplies for 1960-61. The large surplus available for export will meet less competition from Danube Basin countries, where production is considerably smaller than the bumper crops of the past 2 years.

Dried corn production in North America is now estimated at 3,874 million bushels, compared with the record crop of 4,186 million in 1960. Larger outturns in Mexico and Canada only slightly offset the substantial reduction in the U.S. crop.

The U.S. reduction is due to a sharply cut acreage. A reduction of 13 million acres brought harvested acreage to 58 million, the smallest corn area harvested in the 1900's. Yields were at an alltime high of 60.9 bushels per acres.

CORN: Acreage, yield per acre, and production in specified countries, year of harvest,  
average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
<b>North America:</b>									
Canada .....	370	489	514	53.6	63.4	57.1	19,835	31,023	29,337
El Salvador .....	434	439	412	16.7	13.4	17.2	7,260	5,900	7,100
Guatemala .....	1,357	--	--	12.5	--	--	17,000	15,500	22,000
Honduras .....	719	--	--	11.6	--	--	8,325	10,500	11,500
Mexico .....	11,417	15,629	14,579	12.4	14.0	13.7	141,390	219,280	200,000
Nicaragua .....	308	319	324	15.2	11.9	14.2	4,675	3,800	4,600
United States 5/ .....	70,870	72,091	71,443	39.4	53.1	54.5	2,792,703	3,824,598	3,891,212
Cuba .....	415	457	--	16.0	16.8	--	6,640	7,700	--
Estimated total 6/ .....	86,810	92,930	91,270	34.7	44.5	45.9	13,011,000	14,136,000	14,186,000
<b>Europe:</b>									
Austria .....	156	114	144	34.8	50.3	58.2	5,426	5,730	8,385
France .....	894	1,740	2,036	29.5	41.3	54.4	26,394	71,800	110,700
Greece .....	620	513	520	15.5	22.3	21.8	9,754	11,440	11,330
Italy .....	3,316	3,150	3,150	33.8	48.6	47.7	112,232	153,000	150,200
Portugal .....	1,183	1,165	1,157	14.4	16.2	15.9	16,986	18,900	18,500
Spain .....	991	964	1,025	27.2	40.9	40.4	26,980	39,400	41,400
Estimated total Western Europe 5/ .....	7,220	7,660	8,050	27.8	39.3	42.4	201,000	301,000	341,000
Albania .....	300	--	--	16.0	--	--	4,800	--	--
Bulgaria .....	1,780	1,818	1,853	15.4	26.1	25.0	27,500	47,500	46,400
Czechoslovakia .....	350	462	482	34.9	45.5	48.7	12,200	21,000	22,500
Hungary .....	2,830	3,356	3,462	30.5	41.7	39.9	86,200	140,000	138,000
Rumania .....	7,350	8,785	8,825	17.0	25.5	24.7	125,000	224,000	218,000
Yugoslavia .....	5,950	6,375	6,350	21.8	41.3	38.2	130,000	263,000	242,500
Estimated total Eastern Europe 6/ .....	18,600	21,180	21,370	20.8	33.2	31.6	387,000	704,000	676,000
Estimated total all Europe 6/ .....	25,820	28,840	29,420	22.8	34.8	34.6	588,000	1,005,000	1,017,000
U.S.S.R. (Europe and Asia) 7/ .....	10,400	8,750	12,500	18.3	20.0	24.0	190,000	175,000	300,000
<b>Asia:</b>									
Turkey .....	1,581	1,730	1,717	19.9	18.2	17.2	31,402	31,500	29,500
China .....	--	--	--	--	--	--	410,000	--	--
India .....	8,745	10,706	10,758	11.4	15.0	14.6	99,892	160,200	156,600
Pakistan .....	1,013	1,117	1,207	15.8	15.6	14.6	16,016	17,400	17,600
Indonesia .....	5,210	5,758	6,500	13.8	14.3	15.1	72,000	82,400	98,000
Japan 7/ .....	107	118	108	23.3	34.7	41.7	2,488	4,100	4,500
Philippines .....	2,764	4,561	4,521	10.3	10.1	10.1	28,384	46,000	45,700
Thailand .....	109	491	925	13.1	25.3	25.5	1,428	12,440	23,600
Estimated total 8/ .....	42,600	50,860	52,640	16.7	17.2	16.5	710,000	875,000	850,000



<b>Africa:</b>													
Republic of the Congo <sup>8/</sup>	1,092	1,185	--	--	13.5	19.4	--	--	14,768	23,000	--	--	--
Kenya <sup>9/</sup>	425	--	--	--	28.2	--	--	--	12,000	13,000	--	--	--
Egypt	1,819	1,929	1,890	1,930	33.9	30.6	35.2	30.2	61,670	59,000	66,600	58,300	7,100
Morocco <sup>10/</sup>	1,248	1,000	1,005	1,000	7.8	13.5	15.7	7.1	9,724	13,500	15,750	--	--
Former French West Africa	1,733	--	--	--	9.8	--	--	--	16,975	--	--	--	--
Malagasy Republic	200	--	--	--	14.0	--	--	--	2,800	--	--	--	--
Angola	1,300	--	--	--	8.2	--	--	--	10,670	13,800	--	--	--
Federation of Rhodesia & Nyasaland	--	--	--	--	--	--	--	--	--	44,000	47,000	--	--
Republic of South Africa	7,865	--	--	--	14.7	--	--	--	115,450	150,000	180,000	--	--
Estimated total <sup>6/</sup>	25,670	29,210	29,540	28,870	15.2	16.3	17.6	16.3	390,000	475,000	520,000	470,000	--
<b>South America:</b>													
Argentina	4,833	6,000	6,848	--	24.8	29.2	29.2	--	120,098	175,000	200,000	--	--
Brazil	12,700	16,260	16,775	--	19.4	20.6	20.9	--	247,000	335,000	350,000	--	--
Chile	135	184	203	--	26.2	30.9	27.9	--	3,542	5,690	5,660	--	--
Colombia	1,800	1,606	1,803	--	17.1	17.2	18.9	--	30,800	27,600	34,000	--	--
Ecuador	344	500	500	--	10.0	12.4	12.0	--	3,440	6,200	6,000	--	--
Peru	636	568	657	--	19.2	23.1	20.2	--	12,186	13,100	13,300	--	--
Uruguay	643	641	585	--	10.7	4.8	13.3	--	6,902	3,100	7,800	--	--
Venezuela	700	693	815	--	18.4	19.0	19.3	--	12,850	13,200	15,700	--	--
Estimated total <sup>6/</sup>	22,380	27,020	28,790	28,540	20.1	21.8	22.4	21.9	450,000	590,000	645,000	625,000	--
<b>Oceania:</b>													
Australia	173	186	184	--	27.2	36.0	32.6	--	4,710	6,700	6,000	--	--
New Zealand	5	7	5	--	62.0	57.1	50.0	--	310	400	250	--	--
Estimated total <sup>6/</sup>	180	200	190	210	27.8	35.0	36.8	33.3	5,000	7,000	7,000	7,000	--
Estimated world total <sup>6/</sup>	213,860	237,810	244,350	235,650	25.0	30.5	30.9	29.8	5,345,000	7,265,000	7,545,000	7,030,000	--

<sup>1/</sup> Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvest which will begin early in 1962. <sup>2/</sup> Figures refer to harvested area as far as possible. <sup>3/</sup> Yield per acre calculated from acreage and production data shown. <sup>4/</sup> Preliminary estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary forecasts. <sup>5/</sup> New series covering corn for grain only, carried for the first time. Series previously carried was all corn, i.e. including silage, forage, etc. All corn for 1950-54 was 3,112 million bushels; 1959, 4,197 million; 1960, 4,304 million. <sup>6/</sup> Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. <sup>7/</sup> Dried corn only. Previous published series included some immature corn. <sup>8/</sup> Includes Ruanda-Urundi. <sup>9/</sup> Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. <sup>10/</sup> Includes area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

A change in U.S. crop reporting policy puts reported acreage and production of corn on a harvested as grain basis instead of corn for all purposes. This is the first world corn survey put out with the changed basis. In recent years the grain equivalent of corn utilized for silage, hogging down, grazing, and forage has averaged about 350 million bushels and acreage has averaged 10 million acres.

Western Europe's total is tentatively estimated at 332 million bushels, compared with 341 million in 1960. The reduction was entirely in France where much smaller yields than last year resulted in smaller production despite increased acreage. Eastern European production is down because of reductions in the important producing Danube Basin countries. Lower production is caused by smaller yields than the good yields of the past 2 years. The 2 largest producers, Yugoslavia and Rumania, together have a reduction of over 150 million bushels from the high 1960 level and no significant exporting can be expected. Production is also somewhat smaller in Hungary and Bulgaria.

Dried corn production in the Soviet Union is estimated well above the 1960 crop of 300 million bushels. Most of the increase is attributed to expanded acreage.

Asia's crop is estimated at 850 million bushels, slightly smaller than the large outturns of the past 2 years. Small reductions are indicated for Mainland China and India, the largest producers of the area.

Total output is also estimated smaller in Africa. It is too early for dependable estimates for Southern Hemisphere countries where harvest does not begin for several months. The Republic of South Africa, where about a third of Africa's total is produced, does not begin harvesting until next April. Conditions during the next few months will thus determine the final outcome.

The forecast for South America is also subject to change on the basis of growing conditions up to April 1. The present outlook is for a much above average production. Acreage is estimated to be well above average. If growing conditions are normal, a total of about 625 million bushels is expected.

Corn is of minor importance in Australia. If conditions are normal, the harvest may approximate the 1960 crop of 6 million bushels.

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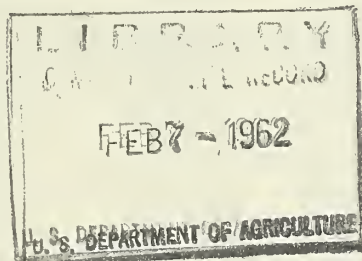
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UNITED STATES DEPARTMENT OF AGRICULTURE



# FOREIGN AGRICULTURE CIRCULAR

U.S. DEPARTMENT OF AGRICULTURE  
Foreign Agricultural Service Washington D.C.



GRAIN  
FG 14-61  
December 1961

## SMALLER WORLD CORN

### CROP FORECAST



Growth Through Agricultural Progress

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CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average : 1950-54	1959	1960	Average : 1950-54	1959	1960	Average : 1950-54	1959	1960
	acres	acres	acres	Bushels	Bushels	Bushels	bushels	bushels	bushels
<b>North America:</b>									
Canada .....	370	489	514	53.6	63.4	57.1	19,835	31,023	29,337
El Salvador .....	434	439	412	16.7	13.4	17.2	7,260	5,900	7,100
Guatemala .....	1,357	--	--	12.5	--	--	17,000	19,500	22,000
Honduras .....	719	--	--	11.6	--	--	8,325	10,500	11,500
Mexico .....	11,417	15,629	14,579	12.4	14.0	13.7	141,390	219,280	200,000
Nicaragua .....	308	319	324	15.2	11.9	14.2	4,675	3,800	4,600
United States 5/ .....	70,870	72,091	71,443	39.4	53.1	54.5	2,792,703	3,824,598	3,891,212
Cuba .....	415	457	--	16.0	16.8	--	6,540	7,700	--
Estimated total 6/ .....	86,810	92,930	91,270	34.7	44.5	45.9	3,011,000	4,136,000	4,186,000
<b>Europe:</b>									
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France .....	894	1,740	2,036	29.5	41.3	54.4	26,394	71,800	110,700
Greece .....	630	513	520	15.5	22.3	21.8	9,754	11,440	11,330
Italy .....	3,316	3,150	3,300	33.8	48.6	47.7	112,232	153,000	150,200
Portugal .....	1,183	1,165	1,157	14.4	16.2	15.9	16,986	18,900	18,400
Spain .....	991	964	1,025	27.2	40.9	40.4	26,980	39,400	41,400
Estimated total Western Europe 5/ .....	7,220	7,660	8,050	27.8	39.3	42.4	201,000	301,000	341,000
<b>Albania</b>									
Bulgaria .....	300	--	--	16.0	--	--	4,800	--	--
Czechoslovakia .....	1,780	1,818	1,853	15.4	26.1	25.0	27,500	47,500	46,400
Hungary .....	350	462	482	34.9	45.5	48.7	12,200	21,000	22,500
Rumania .....	2,830	3,356	3,462	30.5	41.7	39.9	86,200	140,000	138,000
Yugoslavia .....	7,350	8,785	8,825	17.0	25.5	24.7	125,000	224,000	218,000
Estimated total Eastern Europe 6/ .....	5,950	6,375	6,350	21.8	41.3	38.2	130,000	263,000	242,500
Estimated total all Europe 6/ .....	18,600	21,180	21,370	20.8	33.2	31.6	387,000	704,000	676,000
Estimated total all Europe 6/ .....	25,820	28,840	29,420	22.8	34.8	34.6	588,000	1,005,000	1,017,000
U.S.S.R. (Europe and Asia) 7/ .....	10,400	8,750	12,500	18.3	20.0	24.0	190,000	175,000	300,000
<b>Asia:</b>									
Turkey .....	1,581	1,730	1,717	19.9	18.2	17.2	31,402	31,500	29,500
China .....	--	--	--	--	--	--	450,000	--	--
India .....	8,745	10,706	10,758	11.4	15.0	14.6	99,892	160,200	156,600
Pakistan .....	1,013	1,117	1,207	15.8	15.6	14.6	16,016	17,400	17,600
Indonesia .....	5,210	5,758	6,500	13.8	14.3	15.1	72,000	82,400	98,000
Japan 7/ .....	107	118	108	23.3	34.7	41.7	2,488	4,100	4,500
Philippines .....	2,764	4,560	4,521	10.3	10.1	10.1	28,384	46,000	45,700
Thailand .....	109	491	925	13.1	25.3	25.5	1,428	12,440	23,600
Estimated total 6/ .....	42,600	50,860	52,640	16.7	17.2	16.5	710,000	875,000	870,000

Africa:														
Republic of the Congo 8/	1,092	1,185	--	--	13.5	19.4	--	--	14,768	23,000	--	--	--	--
Kenya 9/	425	--	--	--	28.2	--	--	--	12,000	13,000	--	--	--	--
Egypt	1,819	1,929	1,890	1,930	33.9	30.6	35.2	30.2	61,670	59,000	66,600	58,300	7,100	7,100
Morocco 10/	1,248	1,000	1,005	1,000	7.8	13.5	15.7	7.1	9,724	13,500	15,750	--	--	--
Former French West Africa	1,733	--	--	--	9.8	--	--	--	16,975	--	--	--	--	--
Malagasy Republic	200	--	--	--	14.0	--	--	--	2,800	--	--	--	--	--
Angola	1,300	--	--	--	8.2	--	--	--	10,670	13,800	--	--	--	--
Federation of Rhodesia & Nyasaland	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Republic of South Africa	7,865	--	--	--	14.7	--	--	--	115,450	150,000	180,000	--	--	--
Estimated total 6/	25,670	29,210	29,540	28,870	15.2	16.3	17.6	16.3	390,000	475,000	520,000	470,000	--	--
South America:														
Argentina	4,833	6,000	6,848	--	24.8	29.2	29.2	--	120,098	175,000	200,000	--	--	--
Brazil	12,700	16,260	16,775	--	19.4	20.6	20.9	--	247,000	335,000	350,000	--	--	--
Chile	135	184	203	--	26.2	30.9	27.9	--	3,542	5,690	5,660	--	--	--
Colombia	1,800	1,606	1,803	--	17.1	17.2	18.9	--	30,800	27,600	34,000	--	--	--
Ecuador	344	500	500	--	10.0	12.4	12.0	--	3,440	6,200	6,000	--	--	--
Peru	636	568	657	--	19.2	23.1	20.2	--	12,186	13,100	13,300	--	--	--
Uruguay	643	641	585	--	10.7	4.8	13.3	--	6,902	3,100	7,800	--	--	--
Venezuela	700	693	815	--	18.4	19.0	19.3	--	12,850	13,200	15,700	--	--	--
Estimated total 6/	22,380	27,020	28,790	28,540	20.1	21.8	22.4	21.9	450,000	590,000	645,000	625,000	--	--
Oceania:														
Australia	173	186	184	--	27.2	36.0	32.6	--	4,710	6,700	6,000	--	--	--
New Zealand	5	7	5	--	62.0	57.1	50.0	--	310	400	250	--	--	--
Estimated total 6/	180	200	190	210	27.8	35.0	36.8	33.3	5,000	7,000	7,000	7,000	--	--
Estimated world total 6/	213,860	237,810	244,350	235,650	25.0	30.5	30.9	29.8	5,345,000	7,265,000	7,545,000	7,030,000	--	--

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvest which will begin early in 1962. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary forecasts. 5/ New series covering corn for grain only, carried for the first time. Series previously carried was all corn, i.e. including silage, forage, etc. All corn for 1950-54 was 3,112 million bushels; 1959, 4,197 million; 1960, 4,304 million. 6/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Dried corn only. Previous published series included some immature corn. 8/ Includes Ruanda-Urundi. 9/ Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. 10/ Includes area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.



A change in U.S. crop reporting policy puts reported acreage and production of corn on a harvested as grain basis instead of corn for all purposes. This is the first world corn survey put out with the changed basis. In recent years the grain equivalent of corn utilized for silage, hogging down, grazing, and forage has averaged about 350 million bushels and acreage has averaged 10 million acres.

Western Europe's total is tentatively estimated at 332 million bushels, compared with 341 million in 1960. The reduction was entirely in France where much smaller yields than last year resulted in smaller production despite increased acreage. Eastern European production is down because of reductions in the important producing Danube Basin countries. Lower production is caused by smaller yields than the good yields of the past 2 years. The 2 largest producers, Yugoslavia and Rumania, together have a reduction of over 150 million bushels from the high 1960 level and no significant exporting can be expected. Production is also somewhat smaller in Hungary and Bulgaria.

Dried corn production in the Soviet Union is estimated well above the 1960 crop of 300 million bushels. Most of the increase is attributed to expanded acreage.

Asia's crop is estimated at 850 million bushels, slightly smaller than the large outturns of the past 2 years. Small reductions are indicated for Mainland China and India, the largest producers of the area.

Total output is also estimated smaller in Africa. It is too early for dependable estimates for Southern Hemisphere countries where harvest does not begin for several months. The Republic of South Africa, where about a third of Africa's total is produced, does not begin harvesting until next April. Conditions during the next few months will thus determine the final outcome.

The forecast for South America is also subject to change on the basis of growing conditions up to April 1. The present outlook is for a much above average production. Acreage is estimated to be well above average. If growing conditions are normal, a total of about 625 million bushels is expected.

Corn is of minor importance in Australia. If conditions are normal, the harvest may approximate the 1960 crop of 6 million bushels.

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